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MICHIGAN TRAFFIC ACCIDENT FACTS 1983



prepared by the
Michigan Department of
State Police

PREFACE

The state's traffic death toll in 1983 reflected the lowest number of fatalities since 1945. Traffic accidents claimed 1,331 lives.

Compared with 1982, fatalities were down 6.1 percent, injuries were up 4.4 percent and total accidents were up 2.0 percent.

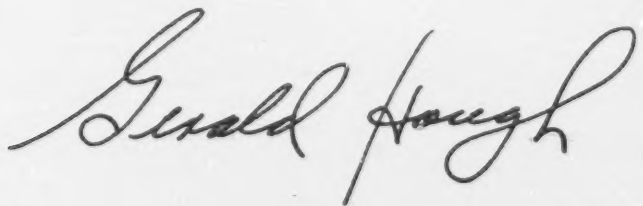
Another significant factor on the plus side was the Michigan all-time low death rate of 2.1 per 100 million miles of travel. This was down from the previous all-time low of 2.3 registered in 1982.

Exposure factors in 1983 show motor vehicle registrations up 0.6 percent to 6.44 million; motor vehicle travel mileage up 3.8 percent to 63.6 billion; and the number of licensed drivers up 1.4 percent to 7.00 million.

Factors influencing the lower traffic death toll and rate in 1983 were felt to include the lower speed limit, a slower paced economy in some sectors, operating costs of motor vehicles, and the on-going traffic safety efforts of police and other agencies.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

Grateful appreciation is expressed to all involved agencies for their assistance.

A handwritten signature in cursive script, reading "Gerald Hough". The signature is written in dark ink and is positioned above the printed name and title.

Colonel Gerald L. Hough, Director
Michigan Department of State Police

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1983 QUICK FACTS

- * There were 300,797 reported accidents of which 90,891 were personal injury and 208,697 were property damage accidents.
- * A traffic accident was reported every 1 minute 45 seconds.
- * Children under the age of 15 accounted for 46.7 percent of the bicycle deaths.
- * One person was killed every 6 hours and 35 minutes as a result of a traffic accident.
- * Of those fatal accidents where the drinking condition was determined, 53.3 percent indicated that alcohol was a factor.
- * There were 135,811 persons injured, crippled and maimed.
- * One person was injured every 3 minutes and 52 seconds in a traffic accident in Michigan.
- * The economic loss in Michigan traffic accidents amounted to \$1,197,900,000.
- * For each person killed there were 102.0 persons injured.
- * Excessive speed was indicated as the hazardous action by 22 percent of the drivers involved in fatal accidents.
- * Of the 1,764 drivers involved in fatal accidents, 14.1 percent were under 20 years of age and 33.6 percent of all drivers involved in fatal accidents were under 25 years of age.
- * Of all fatal accidents, 25.1 percent occurred at intersections.
- * In the last five years, 7,960 persons have been killed in Michigan traffic accidents. This is an average of 1,592 per year. During the previous five-year period, 9,667 persons were killed for an average of 1,933 per year.
- * One out of every 6,879 persons living in Michigan was killed in traffic accidents; one out of every 67 persons was injured.
- * The 1,331 persons killed were the result of 1,209 fatal accidents for an average of 1.10 deaths per fatal accident.
- * 59.5 percent of all accidents occurred in URBAN areas, BUT 67.5 percent of all traffic deaths occurred in RURAL areas.
- * The pedestrian death toll for Michigan stands at 241 persons. This represents an increase of 14 deaths from the 1982 figure.
- * For each pedestrian killed, there were 20.9 injured.
- * Of the pedestrians killed, 41 percent were killed while crossing streets other than at intersections.
- * Of all pedestrians killed 31.5 percent were under the age of 20 years and 27.0 percent were 55 and older.
- * During the past five years, a total of 1,367 pedestrians have been killed, an average of 273 per year.
- * Of the 705,832 vehicle occupants involved in accidents, only 128,694 or 18.2 percent were using occupant restraints.

MICHIGAN TRAFFIC TRENDS 1974-1983

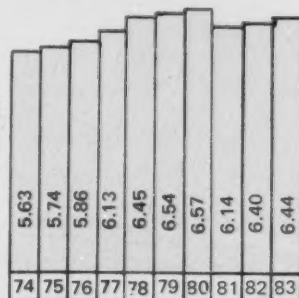
(A 10 Year Comparison)

MOTOR VEHICLE REGISTRATIONS

Millions of
Vehicles

MECH
LD0-123
Great Lake State

UP 14%

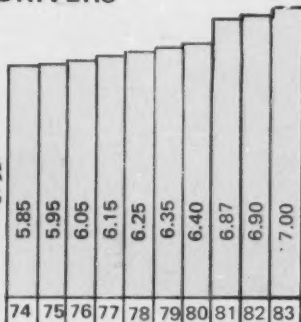


LICENSED DRIVERS

Millions of
Drivers



UP 20%

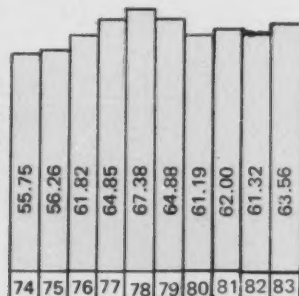


VEHICLE MILES TRAVELED

Billions of
Miles



UP 14%

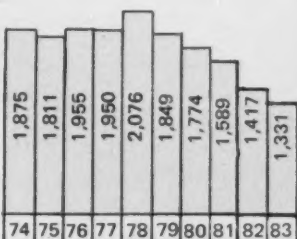


DEATHS

Number of
Deaths



DOWN 29%

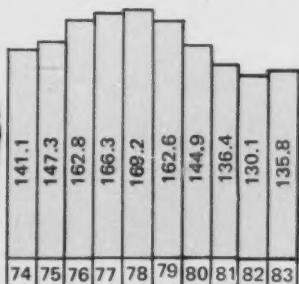


INJURIES

Thousands of
Injuries



DOWN 4%

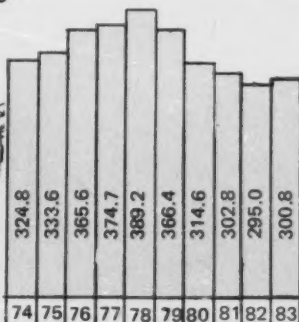


ACCIDENTS

Thousands of
Accidents



DOWN 7%

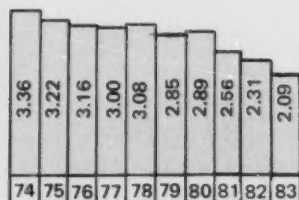


MILEAGE DEATH RATE

Deaths Per
100 Million
Vehicle Miles



DOWN 38%



A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident.

1982 - 1983 SUMMARY TRENDS

- Total accidents increased 2.0% statewide.
- Fatal accidents decreased 5.6%.
- Persons killed decreased 6.1%.
- Injury accidents increased 4.0%.
- Persons injured increased 4.4%.
- Persons sustaining "A" type injuries (the most serious) increased 6.1%.
- Vehicle occupants, drivers and passenger deaths decreased 8.5%.
- Non-vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment and other deaths duplicated 1982 figures.
- Drinking was a factor in 53.3% of all fatal accidents where the drinking condition was reported, a decrease of 5.3%.

Annual Summary	1982	1983	Percent Change
NUMBER OF ACCIDENTS			
Total Accidents	294,971	300,797	+2.0
Fatal Accidents	1,281	1,209	-5.6
Personal Injury Accidents	87,384	90,891	+4.0
Property Damage Accidents	206,306	208,697	+1.2
PERSONS KILLED			
Male	1,006	961	-4.5
Female	411	370	-10.0
Total	1,417	1,331	-6.1
Drivers	679	630	-7.2
Passengers	331	294	-11.2
Pedestrians	227	241	+6.2
Bicyclists	50	45	-10.0
Motorcyclists	115	110	-4.3
Farm Equipment	5	5	0.0
Other	10	6	-40.0
Total	1,417	1,331	-6.1
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	712 (55.6%)	636 (52.6%)	-10.7
Had Not Been Drinking	553 (43.2%)	557 (46.1%)	+0.7
Unknown Drinking	16 (1.2%)	16 (1.3%)	0.0
PERSONS INJURED			
"A" Injury	18,416	19,537	+6.1
"B" Injury	40,532	41,785	+3.1
"C" Injury	71,113	74,489	+4.7
Total	130,061	135,811	+4.4
PERSONS IN ACCIDENTS			
Killed and Injured	131,478	137,142	+4.3
Not Injured	636,387	637,078	+0.1
Total	767,865	774,220	+0.8

The continuous presence of alcohol as a factor in accidents indicates a need for more legislation in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishment, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the all-time low of 2.1 for this year. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's highways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, better trained drivers and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic; the driver, the highway and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge and failure to drive defensively as accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15 - 24 represents 21.0 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 31.5 percent and an involvement of 33.6 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

One of the best prospects for accident reduction and safer driving is a quality driver education and driver improvement program. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to the courts, work to reestablish proper driving skills and attitudes in problem drivers.

With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966) an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

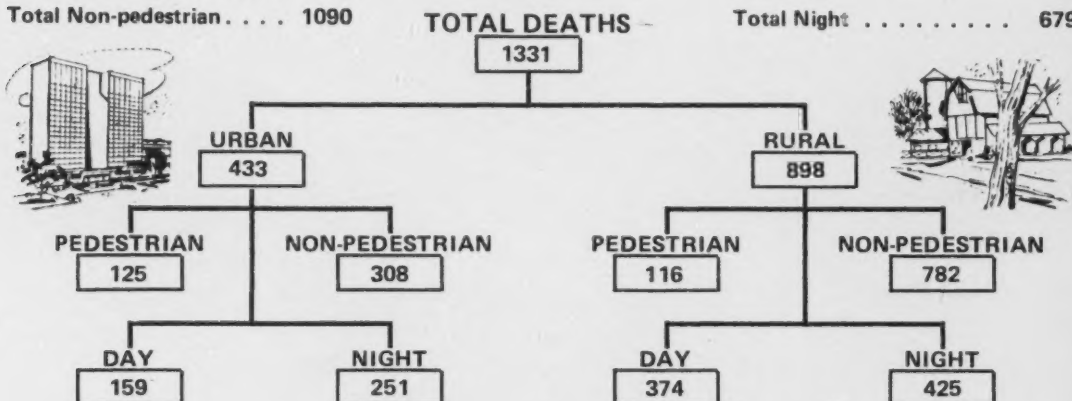
About two out of every three deaths in 1983 occurred in places classified as rural. In URBAN areas, 28.9 percent of the victims were pedestrians and in RURAL areas 74.3 percent of the victims were occupants of motor vehicles. Approximately 56 percent of all deaths occurred in night accidents.

Total Pedestrians 241

Total Day 530

Total Non-pedestrian 1090

Total Night 679



FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.	5	1	2	4	5	1	4	2	4	8	4	7	47
02.	2	5	1	3	4	5	4	3	4	3	3	2	39
03.	*	2	9	4	2	3	10	3	9	3	*	6	51
04.	1	5	6	*	5	7	6	3	5	4	6	4	52
05.	4	4	5	5	2	2	2	2	3	2	3	2	36
06.	1	5	4	5	*	2	3	3	3	3	4	2	35
07.	2	2	4	2	2	3	1	4	4	2	1	2	29
08.	1	3	1	2	3	4	6	1	4	8	6	2	41
09.	5	2	1	4	2	1	3	3	5	10	6	2	44
10.	3	3	*	5	2	4	4	1	7	2	5	*	36
11.	2	4	2	3	2	3	1	6	6	3	7	4	43
12.	1	3	2	3	1	5	3	5	4	2	4	*	33
13.	5	3	1	2	*	6	3	3	1	4	3	2	33
14.	2	1	5	3	6	1	5	7	5	5	4	3	47
15.	7	4	5	2	4	3	5	2	4	3	3	3	45
16.	3	2	3	1	3	3	7	2	1	8	2	4	39
17.	*	4	1	3	2	3	3	3	6	3	4	4	36
18.	3	4	5	3	2	5	1	2	4	8	4	3	44
19.	4	6	3	3	2	3	1	5	2	3	8	2	42
20.	3	2	1	2	5	3	1	7	7	1	1	1	34
21.	3	3	3	*	1	1	2	4	1	5	1	5	29
22.	9	1	1	2	7	*	5	*	3	8	2	6	44
23.	4	1	1	4	2	3	4	1	4	7	6	2	39
24.	4	3	*	5	2	6	2	3	11	1	2	2	41
25.	*	4	1	1	3	2	3	3	2	2	2	*	23
26.	1	3	2	1	2	7	3	4	1	2	3	2	31
27.	4	1	3	3	2	7	4	9	2	4	3	1	43
28.	6	3	3	3	6	4	*	7	3	6	3	2	46
29.	6	—	1	3	2	7	5	2	4	6	4	5	45
30.	4	—	2	3	3	5	2	3	3	7	2	1	35
31.	3	—	*	—	1	—	10	4	—	6	—	3	27
TOTALS . . .	98	84	78	84	85	109	113	107	122	139	106	84	1209

*Deathless Day

Holiday Period

PERSONS KILLED BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.....	5	1	2	4	5	1	5	2	5	9	5	8	52
02.....	2	5	1	4	4	5	5	3	4	3	3	2	41
03.....	*	2	9	4	2	3	10	3	9	3	*	8	53
04.....	1	6	8	*	5	10	6	3	5	5	6	5	60
05.....	4	4	6	5	3	2	2	2	3	2	3	2	38
06.....	1	6	4	5	*	2	3	4	3	3	4	2	37
07.....	2	2	4	2	2	3	1	4	5	2	1	2	30
08.....	1	3	1	2	3	4	6	1	5	9	8	2	45
09.....	5	2	1	4	2	1	3	3	5	11	9	2	48
10.....	4	3	*	6	2	4	4	1	7	2	5	*	38
11.....	2	4	2	3	4	6	1	7	7	4	7	5	52
12.....	1	3	2	3	1	5	3	6	4	2	5	*	35
13.....	5	3	1	2	*	7	3	3	1	4	3	2	34
14.....	3	1	5	3	6	1	5	7	5	7	4	3	50
15.....	10	4	5	2	4	4	5	2	4	3	3	3	49
16.....	3	2	3	1	3	3	9	2	1	8	2	4	41
17.....	*	6	1	3	2	3	3	3	6	3	4	4	38
18.....	3	7	6	4	2	5	1	2	6	8	4	3	51
19.....	6	9	3	3	2	3	1	5	2	3	9	3	49
20.....	3	2	1	2	5	3	1	7	8	1	1	1	35
21.....	3	3	3	*	1	1	2	5	1	6	1	10	36
22.....	9	1	1	2	7	*	5	*	3	8	2	6	44
23.....	5	1	1	4	2	3	6	1	4	8	6	2	43
24.....	4	3	*	6	2	8	3	3	12	1	2	2	46
25.....	*	4	1	1	3	2	3	3	3	2	2	*	24
26.....	1	3	2	1	2	7	3	4	1	2	3	2	31
27.....	4	1	3	5	3	9	4	12	2	4	4	1	52
28.....	9	3	3	3	8	6	*	10	3	6	3	2	56
29.....	7	—	1	4	2	8	5	2	4	8	4	5	50
30.....	7	—	3	3	3	8	3	3	3	9	2	1	45
31.....	3	—	*	—	1	—	10	4	—	7	—	3	28
TOTALS . .	113	94	83	91	91	127	121	117	131	153	115	95	1331

*Deathless Day Holiday Period

This year Michigan experienced 17 deathless days on Michigan highways.

MICHIGAN TRAFFIC ACCIDENT FACTS FOR VARIOUS TIME PERIODS

Accident Facts	During 1983			Yearly Comparison		% Change 82-83
	Per Day	Per Week	Per Month	1982	1983	
Deaths	3.6	25.6	111	1,417	1,331	-6.1
Injuries	372	2,612	11,318	130,061	135,811	+4.4
Accidents	824	5,785	25,066	294,971	300,797	+2.0
Cost of Accidents .	\$3,281,918	\$23,036,538	\$99,825,000	\$1,119,430,000	\$1,197,900,000	+7.0
Drivers Involved . .	1,370	9,613	41,658	491,993	499,897	+1.6
Vehicles Involved .	1,372	9,627	41,718	492,665	500,618	+1.6

MOTOR VEHICLE DEATHS, MILEAGE AND RATES BY MONTH

Month	Traffic Deaths					1983 Percentages		
	1979	1980	1981	1982	1983	Percent Deaths	Percent Miles Driven	Death Rate*
January	102	117	99	98	113	8.5	8.7	2.0
February	103	131	100	79	94	7.1	7.4	2.0
March	129	109	108	93	83	6.2	7.2	1.8
April	152	116	116	91	91	6.8	8.2	1.8
May	146	153	116	114	91	6.8	7.8	1.8
June	155	170	155	121	127	9.6	8.6	2.3
July	190	142	159	154	121	9.1	9.0	2.1
August	171	183	171	153	117	8.8	9.1	2.0
September	174	192	149	128	131	9.9	9.0	2.3
October	187	152	155	144	153	11.5	8.5	2.8
November	171	133	113	131	115	8.6	8.3	2.2
December	169	176	148	111	95	7.1	8.2	1.8
TOTALS	1,849	1,774	1,589	1,417	1,331	100.0	100.0	2.1

*Deaths per 100 million vehicle miles.

In 1983 the highest death total was in October. Over the five year period August had the highest average, followed by October.

MICHIGAN BICYCLE ACCIDENTS

In 1983, there were 45 bicyclists killed and 3,746 injured in 4,208 total reported accidents involving bicycles and motor vehicles. The number killed was 5 less than in 1982, but injuries recorded were 3.6 percent higher.

Children under 15 years of age accounted for 21 or 46.7 percent of the bicycle deaths in 1983.

Generally, three out of five bicyclists are killed in rural areas. In 1983, rural deaths were 33 and there were 12 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1983.

Age of Persons Killed	1979	1980	1981	1982	1983
0 - 4 years	3	4	1	0	1
5 - 9 years	9	14	11	9	5
10 - 14 years	17	20	12	19	15
15 - 19 years	10	14	7	9	8
20 - 24 years	3	3	4	3	5
25 - 34 years	8	4	4	5	4
35 - 44 years	0	0	1	0	1
45 - 54 years	2	4	1	2	3
55 - 64 years	0	0	1	2	2
65 - 74 years	0	0	1	0	0
75 and over	0	0	1	1	3
Not Stated	1	0	0	0	0
TOTALS	53	63	44	50	45

Age of Persons Injured	1979	1980	1981	1982	1983
0 - 4 years	61	48	62	40	50
5 - 9 years	651	625	558	528	523
10 - 14 years	1,420	1,360	1,382	1,291	1,273
15 - 19 years	965	990	949	888	900
20 - 24 years	306	331	389	346	399
25 - 34 years	204	258	276	282	358
35 - 44 years	73	62	78	113	110
45 - 54 years	24	37	43	33	44
55 - 64 years	25	29	27	35	27
65 - 74 years	19	21	18	16	24
75 and over	7	13	10	9	12
Not Stated	35	41	30	36	26
TOTALS	3,790	3,815	3,822	3,617	3,746

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1979	1980	1981	1982	1983
Registrations	251,210	254,129	243,858	230,794	219,929
Deaths	126	148	153	119	115
Death Rate*	5.0	5.8	6.3	5.2	5.2
Estimated Mileage**(million)	753,630	762,387	731,574	692,382	659,787
Death Rate***	16.7	19.4	20.9	17.2	17.4

*Based on 10,000 cycle registrations

**Based on 3,000 miles per cycle.

***Based on deaths per 100 million vehicle miles traveled.

In 1979 and 1980, motorcycle registrations were on the rise, but the last three years saw these figures fall with 1983 showing a 4.7 percent decrease over 1982, this compared with a 0.6 percent increase in total motor vehicle registrations.

There were 6,064 accidents which involved a motorcycle. Of these accidents 1.8 percent were fatal accidents, and 81.9 percent were injury accidents.

Based on deaths per 10,000 registrations, mortality rate for motorcycles is 5.2 while deaths for all vehicles is 2.1 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 10.5 and 17.4 (deaths per 100 million vehicle miles of travel). This compares with the 1983 death rate for all motor vehicles of 2.1 per 100 million miles which includes pedestrian and other nonoccupant deaths as occupant deaths. There were 586 mopeds involved in accidents. In the 586 moped accidents, 6 persons were killed and 563 were injured.

Detailed information can be obtained on 1983 Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 239 grade crossing accidents which happened in Michigan during 1983, 15 were fatal accidents in which 22 persons were killed. Approximately 75 percent of the vehicles struck were passenger cars. The rest were mostly trucks, with 4 motorcycles also being involved.

Four out of five drivers involved in these type accidents were local residents who either drove too fast and were unable to stop or disregarded the traffic signal.

During the daylight hours 145 or 60.7 percent of the train accidents occurred.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER ACCIDENTS

Michigan had 21,509 reported motor vehicle-deer accidents during 1983 in which 2 persons were killed as a result of the collisions. Over 75 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the fourth quarter (47%) and the second quarter (21%) of the year for a total of 68 percent of all car-deer collisions.

Over 62 percent of the drivers involved were local residents with 69.8 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties. Calhoun County being the highest with 787 deer accidents in 1983.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

1983 SNOWMOBILE ACCIDENTS

Type of Accident	1982 - 1983						1981 - 1982		
	No. of Accidents				No. of Persons		Accidents	Killed	Injured
	Total*	Fatal	Injury	PD	Killed	Injured			
Overtuned.	54	1	51	2	1	54	89	0	87
Other Non-collision	54	5	45	4	5	50	109	4	103
Collision with:									
Pedestrian	5	1	4	0	1	5	13	1	16
M.V. in Transport.	48	0	30	18	0	36	205	7	157
M.V.-Other Road-									
way	0	0	0	0	0	0	0	0	0
Parked M.V.	13	2	5	6	2	8	41	2	24
Railroad Train. . .	0	0	0	0	0	0	1	0	1
Pedalcyclist	0	0	0	0	0	0	0	0	0
Animal	1	0	0	1	0	0	1	0	1
Fixed Object. . . .	74	3	65	6	3	75	125	6	120
Other Object. . . .	3	0	3	0	0	3	12	0	12
TOTALS	252	12	203	37	12	231	596	20	521

*Includes 108 Traffic Accidents - 144 Non-traffic Accidents

Reflecting the light snowfall of the 1982 - 1983 snow season, accidents decreased 57.7 percent; deaths fell 40.0 percent and injuries were down 55.7 percent. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. The latest statistics now show Michigan has registered 282,402 snowmobiles, a drop of 27.0 percent over last year.

Snowmobiles in the State of Michigan are not a passing fancy to be dealt with lightly; their popularity has brought with it many complications, particularly those pertaining to safe operation. There must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on 1983 Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 354 accidents involving farm equipment were reported on Michigan roadways during 1983. Of these accidents, 301 were the result of a collision with another vehicle. In 117 of these accidents, both vehicles were traveling in the same direction resulting in a rear-end collision. Of the total accidents, 72.6 percent happened during daylight hours and 76.0 percent happened on dry roads.

Farm equipment accidents claimed the lives of 9 persons on Michigan roadways during 1983. Five of the persons killed were drivers or passengers on the farm equipment and were killed in collisions with another motor vehicle. Of the drivers involved in farm equipment accidents 84 percent were males.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

OPERATION C.A.R.E.

The 1983 Operation C.A.R.E. program saw a new twist with the addition of air speed timing. During the Memorial Day and Labor Day weekends, the Michigan National Guard activated four helicopters, each carrying a state police spotter, which conducted air speed timing and traffic surveillance across the state.

The C.A.R.E. program was again funded through a grant from the Office of Highway Safety Planning. This year's grant totaled \$350,000 with \$301,000 scheduled for personnel services (patrol overtime, field supervision, and headquarters coordination), the remaining \$49,000 was used for public education and program supplies.

Troopers worked a total of 8,700 hours of overtime during the three summer holiday weekends. This increased patrol helped generate over 30,000 traffic citations, approximately 735 OUIL arrests, and over 6,700 motorists assists.

Approximately fifty-five volunteer organizations assisted Operation C.A.R.E. by maintaining traffic safety breaks at sixty-three rest areas and roadside parks across the state. It is estimated that nearly one million cups of coffee and cold drinks were distributed over the three summer holiday weekends, and thousands of traffic safety items were distributed.

HOLIDAY DEATH COUNT

Year	Memorial Day	July 4th	Labor Day
1974		34	25
1975	28	27	25
1976	34	19	31
1977	32	34	
			18
C 1978	25	23	31
1979	17	12	31
A 1980	23	25	26
R 1981	12	22	17
E 1982	9	30	21
1983	13	22	17

OCCUPANT RESTRAINTS

Since April 1982, Michigan has had a child restraint law, but not a law requiring the use of safety restraints by all vehicle occupants. Other countries have been very successful in passing a law requiring the use of safety restraints by all vehicle occupants, which has caused significant reductions in deaths and injuries.

In reviewing the Michigan restraint data, it is very obvious that there is a great need for more voluntary compliance in restraint usage. Of the total occupants involved in accidents, only 18.2 percent were using restraints, up from 15.1 percent in 1982. There is a need to change the public attitudes; this approach is a long term comprehensive, informational and educational program designed to impact an entire population through small group communication techniques.

Vehicle Occupant Restraint Data	Total Occupants		Occupants In Fatal Accidents		Occupants In Injury Accidents		Occupants Prop. Damage Accidents	
Using Restraints.	128,694	18.2%	218	8.2%	37,513	16.1%	90,963	19.3%
Not Using Restraints.	529,044	75.0%	2,270	85.3%	180,179	77.6%	346,595	73.6%
Usage Unknown.	48,094	6.8%	173	6.5%	14,541	6.3%	33,380	7.1%
TOTAL OCCUPANTS	705,832		2,661		232,233		470,938	

	Monthly Percentage of Occupant Restraint Usage												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2
1980	11.0	10.9	11.1	10.3	9.0	8.2	9.6	9.9	10.4	10.8	10.7	11.1	10.3
1981	11.1	11.1	10.9	10.2	10.1	10.5	10.9	10.5	11.5	11.4	11.3	12.4	11.1
1982	13.4	13.8	13.8	15.7	15.3	15.1	15.4	14.9	15.8	15.6	17.3	16.5	15.1
1983	16.8	17.0	17.1	17.2	17.6	17.5	18.1	18.1	17.8	18.9	20.2	20.8	18.2

AGE OF MAJORITY ACCIDENT DATA

18 - 20 Years Old

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver", 18 to 20 years of age. Very diverse opinions as to the significance of the data exists among the concerned interest groups.

The Michigan data reveals that the young drivers are in a downward trend (80-82) since a steady upward trend (74-78). A beginning push to remove drunk drivers from our roadways is viewed in the 1983 arrest figures. Year 1979 was the first year the drinking age was 21 since 1971.

In an attempt to display the most pertinent information, the following schedules have been selected from the complete study for this publication.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

ACCIDENT TYPE	18 - 20 YEARS				ALL AGES			
	1981	1982	1983	82-83 % Change	1981	1982	1983	82-83 % Change
All	7,659	6,859	5,941	-13.4	51,205	44,427	40,055	-9.8
Fatal	125	122	109	-10.7	827	723	631	-12.7
Injury	3,439	3,090	2,744	-11.2	23,157	20,154	18,622	-7.6
Property Damage . .	4,095	3,647	3,088	-15.3	27,221	23,550	20,802	-11.7

ALL DRIVERS INVOLVED IN ACCIDENTS

ACCIDENT TYPE	18 - 20 YEARS				ALL AGES			
	1981	1982	1983	82 - 83 % Change	1981	1982	1983	82 - 83 % Change
All	68,092	63,983	64,467	+0.8	499,699	491,993	499,897	+1.6
Fatal	262	241	224	-7.1	2,192	1,927	1,764	-8.5
Injury	20,835	19,504	20,131	+3.2	155,578	150,498	156,676	+4.1
Property Damage . .	46,995	44,238	44,112	-0.3	341,929	339,568	341,457	+0.6

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

ACCIDENT TYPE	18 - 20 YEARS				ALL AGES			
	1981	1982	1983	82 - 83 % Change	1981	1982	1983	82 - 83 % Change
All	11.2	10.7	9.2	-1.5	10.2	9.0	8.0	-1.0
Fatal	47.7	50.6	48.7	-1.9	37.7	37.5	35.8	-1.7
Injury	16.5	15.8	13.6	-2.2	14.9	13.4	11.9	-1.5
Property Damage . .	8.7	8.2	7.0	-1.2	8.0	6.9	6.1	-0.8

DRIVERS ARRESTED FOR OPERATING UNDER THE INFLUENCE OF LIQUOR (O.U.I.L.) - (UCR)

ARRESTS	18 - 20 YEARS				ALL AGES			
	1981	1982	1983	82 - 83 % Change	1981	1982	1983	82 - 83 % Change
Total	4,443	3,779	5,982	+58.3	47,511	41,129	52,956	+28.8
Male	3,991	3,332	5,227	+56.9	42,795	36,623	46,218	+26.2
Female	452	447	755	+68.9	4,716	4,506	6,738	+49.5

BREATH TESTING

Act No. 253, Public Acts of 1967, which became effective November 2, 1967, created "Implied Consent" in Michigan.

Under the National Highway Safety Act, the Federal government provided Michigan with financial assistance to purchase breath testing equipment and train officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Michigan Law Enforcement Officers Training Council and the Michigan Department of State Police. Training consisted of a comprehensive 40-hour course which was conducted at Michigan State University.

Michigan State University ceased active participation in the program in October, 1978, and the Department of Public Health and Department of State Police continued to train officers, through cooperative efforts, at the Michigan State Police Training Academy and the Detroit Metropolitan Police Academy. Effective April 1, 1981, the Legislature delegated the responsibility of certifying all breathalyzer equipment and operators to the Department of State Police. All 40-hour schools are now conducted by Michigan State Police personnel at both the Michigan State Police Academy and the Detroit Metropolitan Police Academy.

Police agencies from throughout Michigan participate in the program. By June of 1984, approximately 5,859 officers will have been trained. In addition to the initial training program, officers are required to be recertified annually during one-day regional training sessions to maintain their proficiency of operation and to keep abreast of the many changes in law and procedures. Currently there are nearly 2,000 active operators.

Initially, 246 breathalyzers and 248 simulators were received during the grant period. In 1979 an additional 156 breathalyzers were purchased and distributed to participating agencies. All units are maintained and serviced through a scheduled program by certified inspector-operators from the Michigan State Police and Detroit Police Department.

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07	1,504	2.8	
.08 to .099	1,558	3.0	
.10 to .149	14,952	28.2	
.15 and over	35,022	66.0	
Total breath tests	53,036	100.0	81.0
Total tests refused*	12,415		19.0
Total persons arrested	65,451		100.0

*Based on refusal forms received by Department of State (includes information on certificates of conviction).

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of causing an accident is twice that of the no-alcohol level, at .10 the probability is six times greater, and at .15 it is 25 times greater than if the driver were sober.

DUIL arrests increased in 1983, 23.2 percent over 1982. In 1983, 11,114 arrests were made for drunk driving at the accident scene.

1983 DRIVER INFORMATION

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers.

Effective October 6, 1980, legislation was passed which removed the requirement for a road test from students who had successfully completed a Driver Education Course.

Sex of Driver	NUMBER OF DRIVERS			
	Total	Fatal	Injury	Prop. Damage
Male	334,965	1,419	100,720	232,826
Female	164,932	345	55,956	108,631
TOTALS	499,897	1,764	156,676	341,457

Age of Driver	Fatal Accident Drivers			Percent 1983 Fatal Accident Involvement	*Percent Driving Population
	1982	1983	Percent Change		
16 years and under	53	52	-1.9	2.9	8.4
17 years	59	56	-5.1	3.2	
18 - 19 years	159	141	-11.3	8.0	
20 - 24 years	352	344	-2.3	19.5	12.6
Group Sub-total	623	593	-4.8	33.6	21.0
25 - 34 years	494	464	-6.1	26.3	24.5
35 - 44 years	244	249	+2.0	14.1	18.1
45 - 54 years	201	162	-19.4	9.2	13.1
55 - 64 years	154	124	-19.5	7.0	12.6
65 - 74 years	76	75	-1.3	4.3	7.9
75 years and over	72	60	-16.7	3.4	2.8
Not Stated	63	37	-41.3	2.1	-
Group Sub-total	1,304	1,171	-10.2	66.4	79.0
TOTAL DRIVERS	1,927	1,764	-8.5	100.0	100.0

* Based on 1983 Secretary of State Driver License data.

1979 - 1983 TOTAL PERSONS KILLED

Age of Person	1979	1980	1981	1982	1983
0 - 4 years.	39	41	24	22	23
5 - 9 years.	57	52	53	37	35
10 - 14 years.	63	64	57	48	47
15 - 19 years.	342	306	224	219	222
20 - 24 years.	310	337	268	223	232
25 - 34 years.	350	363	343	297	269
35 - 44 years.	190	174	172	146	152
45 - 54 years.	167	142	134	122	109
55 - 64 years.	128	128	113	118	80
65 - 74 years.	99	77	97	80	65
75 years and over.	95	85	96	100	95
Not Stated.	9	5	8	5	2
TOTALS.	1,849	1,774	1,589	1,417	1,331

RESIDENCE OF DRIVER

In approximately three out of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived within 25 miles of the accident location.

Resident of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, Property Damage Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County	370,169	74.0	1,193	67.6	119,780	76.4	249,196	73.0
Elsewhere in State	86,084	17.2	439	24.9	27,540	17.6	58,105	17.0
Non-resident.	8,361	1.7	75	4.3	2,463	1.6	5,823	1.7
Not Stated.	35,283	7.1	57	3.2	6,893	4.4	28,333	8.3
TOTALS.	499,897		1,764		156,676		341,457	

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles) and accident rates (accidents per 100 million vehicle miles) for the major roadways in Michigan.

Statewide	*Estimated Mileage (Billions)	All Accidents	Deaths	Death Rate	Rates	
					Personal Inj. Accidents	Total Accidents
Limited access roadway . .	14.5	19,164	113	0.78	44.0	132.2
U.S. & Michigan roads . .	17.0	75,596	405	2.38	133.8	444.7
County & local roads . . .	32.1	206,037	813	2.53	192.4	641.9
TOTALS.	63.6	300,797	1,331	2.09	143.0	473.2

*1983 Michigan Department of Transportation figures.

OBJECTS HIT

Object Hit By Vehicle	% of Total Objects Hit	Total Objects Hit	Fatal Accid.	Personal Injury Accid.	Property Damage Accid.	Rural Accid.	Urban Accid.
Guard rail or post	7.4	3,971	28	1,392	2,551	2,581	1,390
Highway sign	10.3	5,513	22	1,397	4,094	3,041	2,472
Street light, utility pole	14.1	7,531	58	3,385	4,088	2,734	4,797
Culvert	1.0	510	17	250	243	467	43
Ditch, embankment, stream	17.1	9,127	30	3,386	5,711	7,588	1,539
Bridge pier or abutment	0.5	260	17	134	109	124	136
Bridge rail or deck	0.8	430	3	178	249	279	151
Tree	17.5	9,332	171	4,419	4,742	6,847	2,485
Highway or railroad signal	0.6	327	0	111	216	116	211
Building	2.9	1,545	15	616	914	337	1,208
Mailbox	7.7	4,100	14	859	3,227	3,414	686
Fence	5.7	3,063	7	851	2,205	1,588	1,475
Traffic isle or curb	2.1	1,146	16	281	849	304	842
Concrete barrier in median	2.7	1,469	1	744	724	229	1,240
Other on-trafficway object	5.9	3,158	10	786	2,362	1,603	1,555
Other off-trafficway object	3.1	1,668	39	518	1,111	956	712
Overhead fixed object	0.5	251	0	22	229	105	146
Not known	0.1	66	7	35	24	19	47
TOTALS	100.0	53,467	455	19,364	33,648	32,332	21,135
PERCENT TOTALS		100.0	0.9	36.2	62.9	60.5	39.5

The above summary lists incidents in which a fixed object was struck either as primary object hit or as the secondary object hit (rebound).

REGISTRATION TRANSACTIONS

(Includes Original, Renewal, Correction and Replacements)

VEHICLE						OTHER			
COUNTIES	PASSENGER	COMMERCIAL	TRAILER	MOTORCYCLE	TOTAL PLATES	TOTAL REVENUE	WATERCRAFT	SNOWMOBILE	OFF ROAD
Alcona	6,115	2,411	1,608	327	10,461	302,775.41	1,733	795	282
Alger	4,117	2,135	1,017	343	7,612	222,464.24	1,342	1,264	315
Allegan	42,208	15,946	8,605	2,881	69,640	2,681,656.56	7,048	2,970	811
Alpena	16,609	6,599	4,335	863	28,406	912,175.97	4,216	2,150	176
Antrim	9,586	3,463	2,493	594	16,136	475,656.72	3,452	1,251	135
Arenac	7,961	3,584	2,253	426	14,224	456,839.90	2,807	1,241	289
Baraga	4,187	1,945	919	191	7,242	211,119.79	792	635	83
Barry	23,383	8,840	5,314	1,745	39,282	1,108,774.62	6,296	2,528	343
Bay	64,174	16,796	14,131	3,142	98,243	3,285,166.18	9,326	6,773	2,329
Benzie	6,560	2,482	1,710	440	11,192	322,339.68	2,700	895	61
Berrien	89,412	24,915	13,659	4,569	132,555	4,334,670.24	11,502	3,374	464
Branch	20,281	7,947	5,286	1,586	35,100	1,281,891.05	5,425	1,764	233
Calhoun	76,255	19,279	12,964	4,808	113,306	3,439,321.48	9,845	3,088	734
Cass	24,807	9,598	4,991	1,529	40,925	1,260,454.60	7,450	2,341	274
Charlevoix	11,238	4,256	2,617	734	18,845	581,028.00	3,043	1,585	161
Cheboygan	11,256	4,489	2,868	732	19,375	573,505.35	4,013	2,526	191
Chippewa	13,439	5,703	3,502	777	23,421	746,686.52	4,216	3,444	467
Clare	12,606	5,298	3,339	638	21,881	655,131.61	2,964	1,921	337
Clinton	26,374	9,749	6,242	1,983	46,348	1,397,147.52	4,360	3,166	518
Crawford	5,057	2,137	1,332	249	8,775	259,100.18	2,213	1,104	351
Delta	20,478	8,429	5,777	1,289	35,973	1,280,393.18	3,828	3,137	966
Dickinson	13,852	5,547	3,493	884	24,076	899,774.10	2,570	1,785	590
Eaton	44,668	12,602	8,629	3,009	68,908	2,204,007.12	6,277	3,499	863
Emmet	13,482	4,830	2,743	761	21,816	724,025.97	3,391	1,641	199
Genesee	246,906	62,577	37,214	11,563	348,350	10,928,679.20	29,024	15,619	4,236
Gladwin	10,314	4,499	2,993	567	18,393	525,676.09	3,030	1,718	413
Gogebic	8,768	3,849	1,983	495	15,095	460,250.43	2,353	1,255	170
Gd. Traverse	35,269	10,251	7,659	1,758	54,937	1,775,209.61	8,066	3,064	645
Gratiot	20,095	7,541	4,897	1,352	33,885	1,189,696.93	2,593	1,931	502
Hilledale	20,590	8,550	4,986	1,435	35,561	1,198,931.31	3,246	1,747	247
Houghton	15,714	5,335	2,303	867	24,309	732,588.96	2,458	1,684	101
Huron	19,393	8,177	5,055	1,199	33,824	1,199,663.76	2,771	2,998	380
Ingham	151,484	32,285	18,980	7,639	210,398	7,399,972.55	14,287	4,897	1,591
Ionia	24,582	8,562	5,184	1,622	40,150	1,242,724.27	3,601	1,835	404
Iosco	15,466	5,241	3,954	880	25,541	777,446.47	2,871	2,022	488
Iron	7,110	3,471	1,799	354	12,734	396,996.35	2,207	1,085	196
Isabella	21,808	7,774	4,683	1,459	35,724	1,300,777.16	2,871	1,597	288
Jackson	79,417	21,489	13,086	4,490	118,482	3,768,926.76	11,959	4,353	895
Kalamazoo	120,118	26,096	16,490	5,927	168,631	5,416,775.98	15,617	3,812	1,059
Kalamazoo	6,082	3,384	1,908	410	11,784	531,374.06	1,704	1,089	202
Kent	265,937	58,261	46,801	13,333	384,332	14,660,889.96	32,110	11,366	3,915
Keweenaw	974	387	184	55	1,600	45,927.89	312	148	8
Lake	4,079	1,910	1,068	180	7,237	201,792.57	726	713	156
Lapeer	34,706	12,252	6,920	2,419	56,297	1,733,118.69	4,063	3,743	654
Leelanau	8,044	2,854	2,143	789	13,430	412,936.26	3,248	1,165	71
Lenawee	46,383	15,003	8,929	2,751	73,069	2,295,635.55	6,449	4,769	518
Livingston	54,679	14,445	8,964	2,921	81,209	2,413,843.67	8,882	4,635	701
Luce	3,004	1,582	1,076	149	5,791	187,994.66	1,241	851	156
MacKinnac	4,887	2,285	1,400	316	8,888	262,449.14	2,774	1,706	239
Macomb	443,800	60,031	41,937	13,488	559,256	17,569,465.35	36,280	15,960	4,503
Manistee	12,201	4,463	2,884	664	20,212	629,175.71	2,732	1,028	258
Marquette	33,847	12,199	6,091	2,355	54,492	1,493,035.28	5,618	4,420	954
Mason	13,728	5,105	3,221	935	22,989	728,610.89	3,277	1,303	171
Mcosta	14,548	5,586	3,334	745	24,213	741,837.36	3,459	1,443	140
Menominee	13,104	5,614	3,360	845	22,923	848,172.61	2,159	1,592	331
Midland	44,298	10,179	9,479	2,329	66,285	1,876,022.79	7,244	2,661	1,147
Missaukee	5,137	2,809	1,540	333	9,819	324,851.92	1,495	902	59
Monroe	71,397	19,867	13,219	4,016	108,499	3,577,545.41	8,778	5,698	1,014
Montcalm	24,586	9,420	5,747	1,525	41,278	1,284,339.67	4,485	2,193	413
Montmorency	4,237	2,069	1,320	225	7,851	226,024.31	1,854	979	138
Muskegon	85,642	21,040	15,114	5,225	127,021	4,045,531.12	12,043	4,508	1,542
Newaygo	17,625	7,776	4,522	1,368	31,291	996,770.84	4,139	1,883	495
Oakland	641,381	93,227	58,248	20,067	812,923	25,700,449.94	56,118	25,240	6,141
Oceana	10,843	4,880	2,370	728	16,821	585,073.03	1,767	1,128	248
Ogemaw	9,215	4,631	2,712	512	17,070	595,455.18	2,337	1,624	295
Ontonagon	4,775	2,300	1,354	271	8,700	310,452.86	1,121	1,259	255
Oscoda	9,458	4,380	2,300	596	16,734	539,664.72	1,835	1,349	162
Oscoda	4,003	1,907	1,137	222	7,269	207,005.07	1,410	841	170
Otsego	8,608	3,595	2,213	459	14,875	514,601.37	1,965	1,417	192
Ottawa	90,477	22,733	18,617	5,580	137,607	4,542,910.38	13,550	5,393	1,714
Presque Isle	6,994	3,282	1,870	413	12,559	383,577.34	2,030	1,411	147
Roscommon	10,501	3,748	2,956	538	17,743	502,505.08	4,865	3,374	420
Saginaw	122,454	26,624	20,932	4,758	174,766	5,526,193.52	15,126	9,584	2,111
St. Clair	74,990	19,476	11,774	3,691	109,931	3,589,100.29	10,642	5,226	790
St. Joseph	29,751	10,849	6,210	2,158	48,968	1,571,110.31	6,830	1,643	288
Sanilac	19,890	7,901	4,375	1,292	33,458	1,118,168.76	1,808	1,915	168
Schoolcraft	4,341	1,999	1,217	271	7,828	253,940.08	1,063	1,092	520
Shiawassee	36,342	11,844	7,102	2,515	57,903	1,719,315.02	4,291	3,588	829
Tuscola	26,239	11,660	7,641	2,034	49,574	1,585,625.27	3,696	4,342	818
Van Buren	33,211	12,676	5,807	2,029	53,723	1,878,997.50	6,086	1,665	303
Washtenaw	140,253	25,042	13,682	6,086	185,063	5,523,720.50	13,173	5,458	957
Wayne	1,194,595	157,938	93,402	31,373	1,477,308	50,993,698.46	72,570	20,263	6,842
Wexford	13,529	4,909	3,314	757	22,509	718,401.91	3,520	1,547	181
Non-Resident	27,734	12,443	14,703	275	55,155	4,244,885.58	21,332	2,907	557
Unknown County	—	—	—	—	—	—	3,819	757	1,764
TOTAL	5,101,748	1,121,822	726,810	219,929	7,179,069	—	826,198	282,402	66,446

ANNUAL REPORT

- * There were 1,331 persons killed and 135,811 persons injured in 300,797 reported motor vehicle traffic accidents in Michigan during 1983. Compared with 1982 experience, deaths decreased 6.1 percent, injuries increased 4.4 percent and total reported accidents showed a 2.0 percent increase.
- * This year deaths were the lowest since 1945.
- * Some exposure factor comparisons between 1983 and 1982 show motor vehicle registrations rose 0.6 percent, vehicle mileage rose 3.8 percent and licensed drivers increased 1.4 percent.
- * Even with the increase in exposure factors in 1983 the death rate of 2.09 per 100 million vehicle miles of travel is a decrease from the 1982 death rate of 2.31.
- * Urban deaths decreased 10.5 percent, injuries increased 5.1 percent and total accidents increased 1.2 percent as compared to 1982.
- * Rural deaths decreased 3.8 percent, injuries increased 3.5 percent and total accidents increased 3.1 percent as compared to 1982.
- * Urban areas accounted for 59 percent of all accidents and 33 percent of all traffic deaths.
- * Rural areas accounted for 41 percent of all accidents and 67 percent of all traffic deaths.
- * Rural areas accounted for 41 percent of all injuries while 59 percent were in urban areas.
- * Pedestrian deaths increased 14 persons over the 1982 figure. Rural pedestrian deaths were up 8 over 1982 and urban pedestrian deaths were up a total of 6 persons.

* * * * *

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1983

Compiled by the Michigan State Police

SUMMARY OF ALL
REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes
Information Available

STATEWIDE

TOTAL ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
									A	B	C			
1. Overturned	9153	100	5471	3582	14195	107	7343	6745	1723	3053	2567	9153	107	7343
2. Other Non-collision	1883	18	617	1248	3531	19	679	2833	206	291	182	1883	19	679
3. Pedestrian	4326	231	3964	131	11061	234	4239	6588	1452	1534	1253	4326	234	4239
4. M.V. In Transport	185054	441	57387	127226	590645	519	94268	495858	10605	24223	59440	185054	519	94268
5. M.V.—Other Roadway	48	9	20	19	162	11	65	86	20	14	31	48	11	65
6. Parked M.V.	26727	18	2746	23963	35941	19	3439	32483	456	1438	1545	26727	19	3439
7. Railroad Train	239	15	112	112	354	22	146	186	50	50	46	239	22	146
8. Pedalcyclist	4188	46	3618	524	10564	46	3847	6671	796	1784	1267	4188	46	3847
9. Animal	21347	1	614	20732	35718	1	732	34985	80	295	357	21347	1	732
10. Fixed Object	46901	328	16176	30397	70505	351	20825	49329	4111	9009	7705	46901	351	20825
11. Other Object	931	2	166	763	1544	2	228	1314	38	94	96	931	2	228
Totals	300797	1209	90891	208697	774220	1331	135811	637078	19537	41785	74489	300797	1331	135811

ON ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
									A	B	C			
1. Overturned	1823	18	1369	436	2544	20	1677	847	410	830	437	1823	20	1677
2. Other Non-collision	1539	14	531	994	3017	14	579	2424	183	259	137	1539	14	579
3. Pedestrian	4130	217	3784	129	10568	219	4026	6323	1384	1454	1188	4130	219	4026
4. M.V. In Transport	184820	430	57327	127063	589903	506	94158	495239	10574	24193	59391	184820	506	94158
5. M.V.—Other Roadway	47	8	20	19	159	10	64	85	19	14	31	47	10	64
6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Railroad Train	229	14	109	106	340	21	143	176	50	48	45	229	21	143
8. Pedalcyclist	4030	45	3480	505	10178	45	3696	6437	777	1712	1207	4030	45	3696
9. Animal	21304	1	608	20695	35654	1	724	34929	80	293	351	21304	1	724
10. Fixed Object	1162	9	257	896	1733	9	315	1409	66	136	113	1162	9	315
11. Other Object	857	0	152	705	1446	0	213	1233	37	83	93	857	0	213
Totals	219941	756	67637	151548	655542	845	105595	549102	13580	29022	62993	219941	845	105595

OFF ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
									A	B	C			
1. Overtaken	7330	82	4102	3146	11651	87	5666	5898	1313	2223	2130	7330	87	5666
2. Other Non-Collision	344	4	86	254	514	5	100	409	23	32	45	344	5	100
3. Pedestrian	196	14	180	2	493	15	213	265	68	80	65	196	15	213
4. M.V. In Transport	234	11	60	163	742	13	110	619	31	30	49	234	13	110
5. M.V. - Other Roadway	1	1	0	0	3	1	1	1	1	0	0	1	1	1
6. Parked Motor Vehicle	26727	18	2746	23963	35941	19	3439	32483	456	1438	1545	26727	19	3439
7. Railroad Train	10	1	3	6	14	1	3	10	0	2	1	10	1	3
8. Pedalcyclist	158	1	138	19	386	1	151	234	19	72	60	158	1	151
9. Animal	43	0	6	37	64	0	8	56	0	2	6	43	0	8
10. Fixed Object	45739	319	15919	29501	68772	342	20510	47920	4045	8873	7592	45739	342	20510
11. Other Object	74	2	14	58	98	2	15	81	1	11	3	74	2	15
Totals	80856	453	23254	57149	118678	486	30216	87976	5957	12763	11496	80856	486	30216

ROAD SURFACE	NUMBER OF ACCIDENTS				AGE	NUMBER OF PERSONS KILLED									
	Total	Fatal	Injury	P.D.		Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
Dry	188210	893	59303	128014	0-4	23	12	11	0	13	9	1	0	0	0
Wet	62210	201	19863	42146	5-9	35	25	10	0	12	18	5	0	0	0
Snowy/Icy	47748	104	10925	36719	10-14	47	29	18	0	12	15	15	4	1	0
Other	2629	11	800	1818	15-19	222	168	54	97	66	34	8	17	0	0
Total	300797	1209	90891	208697	20-24	232	188	44	113	62	26	3	27	1	0
					25-34	269	211	58	146	35	39	4	41	0	4
					35-44	152	116	36	91	20	23	1	16	0	1
					45-54	109	65	44	66	23	12	3	4	0	1
					55-64	80	53	27	38	16	20	2	1	3	0
					65-74	65	33	32	33	17	15	0	0	0	0
					75 & Over	95	60	35	45	17	30	3	0	0	0
					Not Stated	2	1	1	1	1	0	0	0	0	0

CODE OF INJURY					AGE	NUMBER OF PERSONS INJURED									
						Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
A--INCAPACITATING INJURY--Any injury other than fatal which prevents normal activities and generally requires hospitalization					0-4	2774	1458	1316	0	2412	285	50	9	1	17
					5-9	4280	2337	1943	1	2972	717	523	40	1	26
					10-14	5985	3158	2827	107	3607	670	1273	257	12	59
					15-19	23857	12893	10964	12011	8883	594	900	1331	12	126
					20-24	23058	13116	9942	14438	6018	696	398	1502	20	255
9. 100,000 - 250,000	83056	71	49	22	13245	11517	1728	1262	4021	7962	69740	49	11517	22	1728
10. 250,000 or more	112075	112	81	31	22417	19458	2959	2171	4919	15327	89546	81	19458	31	2959
Totals	483510	433	311	122	80792	69826	10966	8927	22593	49272	402285	311	69826	122	10966

MUNICIPALITIES	NUMBER OF ACCIDENTS								THIS YEAR TO DATE							
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY				ON ROADWAY			
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	8708	15	2080	6613	6446	11	1699	4736	2262	4	381	1877	8708	15	2080	6613
5. 5,000 - 10,000	10429	24	2542	7863	7615	15	2028	5572	2814	9	514	2291	10429	24	2542	7863
6. 10,000 - 25,000	22233	55	618	16040	16854	39	5058	11757	5379	16	1080	4283	22233	55	6138	16040
7. 25,000 - 50,000	31547	65	9081	22401	24505	45	7670	16790	7042	20	1411	5611	31547	65	9081	22401
8. 50,000 - 100,000	33544	78	11064	22402	26790	59	9424	17307	6754	19	1640	5095	33544	78	11064	22402
9. 100,000 - 250,000	30494	66	9220	21208	24004	47	7779	16178	6490	19	1441	5030	30494	66	9220	21208
10. 250,000 or more	41951	107	14584	27260	32423	77	12322	20024	9528	30	2262	7236	41951	107	14584	27260
Totals	178906	410	54709	123787	138637	293	45980	92364	40269	117	8729	31423	178906	410	54709	123787

CLASS OF TRAFFICWAY	TOTAL OCCUP.	NUMBER OF PERSONS										THIS YEAR TO DATE			
		KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	21860	36	28	8	4491	3358	1133	547	1190	2754	17333	28	3358	8	1133
2. Other Full Control	7074	11	7	4	1590	1184	406	193	374	1023	5473	7	1184	4	406
3. Other US Route	28369	27	22	5	4356	3889	467	466	1132	2758	23986	22	3889	5	467
4. Other State M Routes	87268	96	77	19	14003	12985	1018	1524	3690	8789	73169	77	12985	19	1018
5. Other Major Arterial	21724	16	11	5	3071	2814	257	340	868	1863	18637	11	2814	5	257
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads-N.K.	317215	247	166	81	53281	45596	7685	5857	15339	32085	263687	166	45596	81	7685
Totals	483510	433	311	122	80792	69826	10966	8927	22593	49272	402285	311	69826	122	10966

STATEWIDE

MUNICIPALITIES	TOTAL OCCUP.	NUMBER OF PERSONS										THIS YEAR TO DATE			
		KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	269947	866	513	353	52366	33746	18620	10105	18300	23961	216715	513	33746	353	18620
2. Under 1,000	5545	10	9	1	755	580	175	152	257	346	4780	9	580	1	175
3. 1,000 - 2,500	15218	22	12	10	1898	1443	455	353	635	910	13298	12	1443	10	455
4. 2,500 - 5,000	23214	15	11	4	2965	2482	483	461	955	1549	20234	11	2482	4	483
5. 5,000 - 10,000	27639	25	16	9	3651	3001	650	523	1350	1778	23963	16	3001	9	650
6. 10,000 - 25,000	59263	57	41	16	8807	7455	1352	1197	2704	4906	50399	41	7455	16	1352
7. 25,000 - 50,000	85020	70	50	20	13326	11584	1742	1601	3953	7772	71624	50	11584	20	1742
8. 50,000 - 100,000	93243	83	63	20	16381	14329	2052	1712	4691	9978	76779	63	14329	20	2052
9. 100,000 - 250,000	83056	71	49	22	13245	11517	1728	1262	4021	7962	69740	49	11517	22	1728
10. 250,000 or more	112075	112	81	31	22417	19458	2959	2171	4919	15327	89546	81	19458	31	2959
Totals	774220	1331	845	486	135811	105595	30216	19537	41785	74489	637078	845	105595	486	30216

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	113859	768	34300	78791	75828	443	20263	55122	38031	325	14037	23669	113859	768	34300	78791
2. Under 1,000	2242	9	538	1695	1464	8	399	1057	778	1	139	638	2242	9	538	1695
3. 1,000 - 2,500	5790	22	1344	4424	4012	12	995	3005	1778	10	349	1419	5790	22	1344	4424
4. 2,500 - 5,000	8708	15	2080	6613	6446	11	1699	4736	2262	4	381	1877	8708	15	2080	6613
5. 5,000 - 10,000	10429	24	2542	7863	7615	15	2028	5572	2814	9	514	2291	10429	24	2542	7863
6. 10,000 - 25,000	22233	55	6138	16040	16854	39	5058	11757	5379	16	1080	4283	22233	55	6138	16040
7. 25,000 - 50,000	31547	65	9081	22401	24505	45	7670	16790	7042	20	1411	5611	31547	65	9081	22401
8. 50,000 - 100,000	33544	78	11064	22402	26790	59	9424	17307	6754	19	1640	5095	33544	78	11064	22402
9. 100,000 - 250,000	30494	66	9220	21208	24004	47	7779	16178	6490	19	1441	5030	30494	66	9220	21208
10. 250,000 or more	41951	107	14584	27260	32423	77	12322	20024	9528	30	2262	7236	41951	107	14584	27260
Totals	300797	1209	90891	208697	219941	756	67637	151548	80856	453	23254	57149	300797	1209	90891	208697

CLASS OF TRAFFICWAY	TOTAL OCCUP.	NUMBER OF PERSONS										THIS YEAR TO DATE				
		KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY		
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured	
1. Interstate System	36979	80	49	31	7296	4810	2486	1124	2122	4050	29603	49	4810	31	2486	
2. Other Full Control	10474	33	18	15	2227	1464	763	307	599	1321	8214	18	1464	15	763	
3. Other US Route	9556	26	2935	6595	8334	21	2559	5754	1222	5	376	841	9556	26	2935	6595
4. Other State M Routes	29235	90	9245	19900	26303	73	8429	17801	2932	17	816	2099	29235	90	9245	19900
5. Other Major Arterial	7363	16	2129	5218	6476	11	1920	4545	887	5	209	673	7363	16	2129	5218
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	121656	237	36299	85120	89278	158	30211	58909	32378	79	6088	26211	121656	237	36299	85120
Totals	178906	410	54709	123787	138637	293	45980	92364	40269	117	8729	31423	178906	410	54709	123787

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.
1. Car Going Straight	2782	1341	1441	113	29	84	2573	1258	1315	96	54	42
2. Car Turning Right	165	143	22	3	2	1	158	137	21	4	4	0
3. Car Turning Left	229	204	25	3	3	0	219	194	25	7	7	0
4. Car Backing	130	38	92	1	0	1	126	37	89	3	1	2
5. All Others	62	18	44	0	0	0	61	18	43	1	0	1
6. Not Stated	22	9	13	0	0	0	21	8	13	1	1	0
Totals	3390	1753	1637	120	34	86	3158	1652	1506	112	67	45

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	23	1533	67	259	255	184	140	300	173	135	20
1b. Crossing not at intersection or in crosswalk	55	1140	142	296	177	116	87	176	72	70	4
2a. Walking in roadway--with traffic	7	107	1	1	12	25	22	30	9	5	2
2b. Walking in roadway--against traffic	2	23	0	0	4	7	2	6	1	2	1
3. Standing in roadway	26	158	1	0	10	21	23	62	27	10	4
4. Pushing or working on vehicle in roadway	1	73	0	0	2	7	12	36	11	1	4
5. Other working in roadway	0	20	0	0	0	2	3	12	2	0	1
6. Playing in roadway	0	30	3	9	9	4	1	2	1	0	1
7. Other in roadway	5	171	5	8	14	23	40	54	12	11	4
8. Not in roadway	6	312	22	13	20	36	42	105	39	27	8
9. Not Stated	0	50	2	3	6	6	11	13	7	1	1
Totals	125	3617	243	589	509	431	383	796	354	262	50

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	14961	74	4911	9976	10147	43	3036	7068	4814	31	1875	2908	14961	74	4911	9976
2. Other Full Control	4203	30	1473	2700	2797	17	890	1890	1406	13	583	810	4203	30	1473	2700
3. Other US Route	20582	98	6047	14437	16839	75	4833	11931	3743	23	1214	2506	20582	98	6047	14437
4. Other State M Routes	55014	260	16707	38047	47045	206	14071	32768	7969	54	2636	5279	55014	260	16707	38047
5. Other Major Arterial	8877	22	2617	6238	7769	17	2330	5422	1108	5	287	816	8877	22	2617	6238
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads—N.K.	197160	725	59136	137299	135344	398	42477	92469	61816	327	16659	44830	197160	725	59136	137299
Totals	300797	1209	90891	208697	219941	756	67637	151548	80856	453	23254	57149	300797	1209	90891	208697

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.
1. Car Going Straight	3593	1507	2086	220	34	186	3261	1413	1848	112	60	52
2. Car Turning Right	187	157	30	3	2	1	179	150	29	5	5	0
3. Car Turning Left	272	236	36	3	3	0	261	226	35	8	7	1
4. Car Backing	172	48	124	5	1	4	163	46	117	4	1	3
5. All Others	76	20	56	0	0	0	75	20	55	1	0	1
6. Not Stated	26	9	17	0	0	0	25	8	17	1	1	0
Totals	4326	1977	2349	231	40	191	3964	1863	2101	131	74	57

PEDESTRIAN ACTIONS BY AGE				PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
					Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk				32	1711	77	286	298	210	150	330	187	151	22
1b. Crossing not at intersection or in crosswalk				98	1499	173	395	250	158	118	218	88	92	7
2a. Walking in roadway—with traffic				23	215	3	2	28	55	48	48	20	8	3
2b. Walking in roadway—against traffic				9	56	0	1	10	12	6	16	7	3	1
3. Standing in roadway				48	234	2	4	15	37	32	92	34	14	4
4. Pushing or working on vehicle in roadway				4	116	0	0	3	15	19	57	16	1	5
5. Other working in roadway				0	30	0	0	0	3	5	18	3	0	1
AT LE	3a. T/cross opposite direction—other driving straight	1388	6	510	872	5. Wrong Way				457	7	194	256	
	3b. Same—one left turn, one straight	10125	18	4121	5986	6. Left Center/Improper Pass/Lane				21922	46	4239	17637	
	3c. Same—all others	298	1	68	229	7. Improper Turn/Signal				10067	2	2120	7945	
	4. Not stated	5300	2	571	4727	8. Improper Backing/Start				12358	1	721	11636	
	Totals	83846	90	25933	57823	9. Following/Unable To Stop				60926	28	20653		

TWO MOTOR VEHICLE ACCIDENTS				
	Total	Fatal	Injury	P.D.
1. Going opposite direction—Both Moving	2823	37	1083	1703
2. Going same direction—Both Moving	14793	13	3629	11151
3a. One car parked	16922	8	1643	15271
3b. One car stopped in traffic	12033	6	4590	7437
4a. One car entering parked pos.	125	0	21	104
4b. One car leaving parked pos.	1389	0	117	1272
5a. One car enter. driveway access	7900	5	2228	5667
5b. One car leaving d/way access	10979	4	2134	8841
6. All others/not stated	934	1	154	779
Totals	67898	74	15599	52225

ALL OTHER ACCIDENTS				
	Total	Fatal	Injury	P.D.
Collision With				
1. Other road veh., or RR train	1956	6	1665	285
2. Fixed object	6383	15	1940	4428
3. Other object or animal	131	0	32	99
4. Overturning	454	2	339	113
5. Other noncollision	183	1	97	85
Collision With				
6. Other road veh., or RR train	1232	8	1044	180
7. Fixed Object	11179	80	4011	7088
8. Other object or animal	788	0	70	718
9. Overturning	988	10	672	306
10. Other noncollision	475	4	149	322
11. Not stated	3	0	0	3
Totals	23772	126	10019	13627

CONTRIBUTING CIRCUMSTANCE *				
	TOTAL	Fatal	Injury	P.D.
1. None	139519	301	48779	90439
2. DWI/Drugs	5550	151	2446	2953
3. Reckless/Careless	4327	28	2324	1975
4. Inattention/III/Etc.	1928	7	833	1088
5. Violation License Restriction	19	1	6	12
6. Obscured Vision	3005	3	1004	1998
7. Defective Equipment	2316	1	765	1550
8. Lost Control/Load/Wind	43	0	13	30
9. Skidding	8031	4	2187	5840
10. Other/Not Known	160897	283	48049	112565
11.				
12.				
13.				
14.				
Totals	325635	779	106406	218450

NUMBER OF TRAFFIC UNITS				
	TOTAL	Fatal	Injury	P.D.
1. None	139519	301	48779	90439
2. DWI/Drugs	5550	151	2446	2953
3. Reckless/Careless	4327	28	2324	1975
4. Inattention/III/Etc.	1928	7	833	1088
5. Violation License Restriction	19	1	6	12
6. Obscured Vision	3005	3	1004	1998
7. Defective Equipment	2316	1	765	1550
8. Lost Control/Load/Wind	43	0	13	30
9. Skidding	8031	4	2187	5840
10. Other/Not Known	160897	283	48049	112565
11.				
12.				
13.				
14.				
Totals	325635	779	106406	218450

*Includes pedestrians and drivers

STATEWIDE

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	44636	140	15999	28497
	2a. From same direction—Both Going Straight	9646	5	1946	7695
	2b. Same—one turn, one straight	9455	2	1777	7676
	2c. Same—one stopped	22410	7	7861	14542
	2d. Same—all others	2005	1	109	1895
	3a. From opposite direction—Both Going Straight	2047	9	768	1270
	3b. Same—one left turn, one straight	13322	34	5605	7683
	3c. Same—all others	402	4	93	305
	4. Not stated	6035	2	644	5389
Totals		109958	204	34802	74952

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	7153	165	2832	4156
	2. Going same direction—Both Moving	22586	47	5753	16786
	3a. One car parked	20692	16	2102	18574
	3b. One car stopped in traffic	17244	11	6514	10719
	4a. One car entering parked pos.	165	0	23	142
	4b. One car leaving parked pos.	1653	0	145	1508
	5a. One car enter driveway access	14097	9	4288	9800
	5b. One car leaving d/way access	16812	11	3426	13375
	6. All others/not stated	1469	5	268	1196
Totals		101871	264	25351	76256

ALL OTHER ACCIDENTS		Total	Fatal	Injury	P.D.
At Inter.	1. Other road veh., or RR train	2398	11	2040	347
	2. Fixed object	11566	34	3500	8032
	3. Other object or animal	463	0	55	408
	4. Overtaking	1347	11	901	435
	5. Other noncollision	383	3	191	189
	6. Other road veh., or RR train	2029	50	1690	289
	7. Fixed Object	35335	294	12676	22365
Totals		53144	404	15322	110048

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	252943	464	82764	169715
2. Passenger car and trailer	743	1	199	543
3. Truck or truck tractor	37247	65	9671	27511
4. Truck tractor and semi-trailer	2875	25	648	2202
5. Other truck combination	953	5	178	770
6. Farm tractor and/or farm equip.	30	0	5	25
7. Bus	1012	8	305	699
8. School Bus	743	2	151	590
9. Motorcycle/Motor scooter	3507	43	2813	651
10. Other/not stated	19201	18	3529	15654
Totals	319254	631	100263	218360

DRINKING CONDITION DRIVERS		NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.	
1. Had been drinking	20711	199	9370	11142	
2. Not known if drinking	40724	43	8654	32027	
3. Had not been drinking	257314	389	82182	174743	
Totals	318749	631	100206	217912	

DRINKING IN ACCIDENT		NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.	
1. Had been drinking	19998	212	9055	10731	
2. Not known if drinking	17114	8	2424	14682	
3. Had not been drinking	141794	190	43230	98374	
Totals	178906	410	54709	123787	

DRINKING CONDITION PEDESTRIAN		NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.	
1. Had been drinking	156	41	111	4	
2. Not known if drinking	3025	12	2899	114	
3. Had not been drinking	587	82	494	11	
Totals	3768	135	3504	129	

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	238010	845	76411	160754
2. Speed Too Fast	32643	277	12641	19725
3. Speed Too Slow	208	1	91	116
4. Disregard Control/ROW	69430	327	27685	41418
5. Wrong Way	571	14	250	307
6. Left Center/Improper Pass/Lane	31249	155	6943	24151
7. Improper Turn/Signal	13831	10	3175	10646
8. Improper Backing/Start	15961	3	946	15012
9. Following/Unable To Stop	96423	169	33457	62797
10. Other/Not Known	10745	270	3260	7215
11.				
12.				
13.				
14.				
Totals	509071	2071	164859	342141

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	221718	739	71384	149595
2. DUI/DWI	10782	433	4973	5376
3. Reckless/Careless	8864	59	4745	4060
4. Inattention/III/Etc.	3626	26	1645	1955
5. Violation License Restriction	30	1	11	18
6. Obscured Vision	5139	11	1685	3443
7. Defective Equipment	4566	7	1529	3030
8. Lost Control/Load/Wind	179	2	51	126
9. Skidding	15304	23	4362	10919
10. Other/Not Known	238863	770	74474	163619
11.				
12.				
13.				
9. 55 to 64	13280	31	4243	9006
10. 65 to 74	6229	16	1902	4311
11. 75 and older	38505	27	7638	30840
12. Not stated*	318749	631	100206	217912
Totals	318749	631	100206	217912
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	211387	502	63770	147115
2. Female	107362	129	36436	70797
Totals	318749	631	100206	217912

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	242544	475	79091	162978
2. Residing elsewhere	45099	107	14732	30260
3. Non resident	3932	19	1084	2829
4. Not stated	27174	30	5299	21845
Totals	318749	631	100206	217912
Driverless Moving	505	0	57	448

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	8482	170	3400	4912
2. Rear end	28168	41	6957	21170
3. Sideswipe-meeting	261	3	48	210
4. Sideswipe-passing	1184	6	132	1046
5. Angle	30108	128	12586	17394
6. Backed into	4035	3	236	3796
7. All others	139537	116	36778	102643
8. Not stated	54	1	16	37
Totals	211829	468	60153	151208

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	388144	1197	125457	261490
2. Passenger car and trailer	1580	8	415	1157
3. Truck or truck tractor	68633	287	18086	50260
4. Truck tractor and semi-trailer	5652	81	1452	4119
5. Other truck combination	2133	11	417	1705
6. Farm tractor and/or farm equip.	354	9	131	214
7. Bus	1141	10	335	796
8. School Bus	1294	6	253	1035
9. Motorcycle/Motor scooter	6730	115	5527	1088
10. Other/not stated	24957	40	4698	20219
Totals	500618	1764	156771	342083

DRINKING CONDITION DRIVERS	Total	Fatal	Injury	P.D.
1. Had been drinking	40055	631	18622	20802
2. Not known if drinking	49480	69	10374	39037
3. Had not been drinking	410362	1064	127680	281618
Totals	499897	1764	156676	341457

DRINKING IN ACCIDENT	Total	Fatal	Injury	P.D.
1. Had been drinking	38758	636	18006	20116
2. Not known if drinking	20933	16	2946	17971
3. Had not been drinking	241106	557	69939	170610
Totals	300797	1209	90891	208697

REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Information Available

AGE OF DRIVER	Total	Fatal	Injury	P.D.
1. 15 and Younger	1500	11	755	734
2. 16	13858	41	4419	9398
3. 17	18434	56	5932	12446
4. 18 to 19	40079	141	13003	26935
5. 20 to 24	83375	344	27310	55721
6. 25 to 34	117086	464	38768	77854
7. 35 to 44	69981	249	22651	47081
8. 45 to 54	43250	162	13956	29132
9. 55 to 64	35754	124	11527	24103
10. 65 to 74	19714	75	6220	13419
11. 75 and older	9296	60	2906	6330
12. Not stated*	47570	37	9229	38304
Totals	499897	1764	156676	341457
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	334965	1419	100720	232826
2. Female	164932	345	55956	108631
Totals	499897	1764	156676	341457

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	370169	1193	119780	249196
2. Residing elsewhere	86084	439	27540	58105
3. Non-resident	8361	75	2463	5823
4. Not stated	35283	57	6893	28333
Totals	499897	1764	156676	341457
Driverless Moving	721	0	95	626

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%

RURAL

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS						THIS YEAR TO DATE			
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
Collision with:	1. Overturned	7711	88	4460	3163	12184	94	6111	5979	1433	2457	2221	7711	94	6111
	2. Other Non-collision	1222	13	371	838	2274	14	400	1860	131	159	110	1222	14	400
	3. Pedestrian	936	111	806	19	2455	112	892	1451	355	325	212	936	112	892
	4. M.V. In Transport	55554	291	18076	37187	183863	355	31587	151921	5320	9463	16804	55554	355	31587
	5. M.V.—Other Roadway	26	5	13	8	93	6	42	45	13	10	19	26	6	42
	6. Parked M.V.	4505	8	532	3965	6379	8	714	5657	146	290	278	4505	8	714
	7. Railroad Train	126	14	58	54	195	21	82	92	36	32	14	126	21	82
	8. Pedalcyclist	1113	33	963	117	2879	33	1067	1779	301	479	287	1113	33	1067
	9. Animal	20771	1	578	20192	34828	1	692	34135	77	271	344	20771	1	692
	10. Fixed Object	29339	233	10225	18881	44548	252	13291	31005	2774	5645	4872	29339	252	13291
	11. Other Object	588	2	100	486	1012	2	141	869	24	61	56	588	2	141
	Totals	121891	799	36182	84910	290710	898	55019	234793	10610	19192	25217	121891	898	55019

ON ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
									A	B	C			
1. Overturned	1124	15	808	301	1641	16	1017	608	257	480	280	1124	16	1017
2. Other Non-collision	946	10	305	631	1859	10	327	1522	113	137	77	946	10	327
3. Pedestrian	870	101	750	19	2289	101	823	1365	333	300	190	870	101	823
4. M.V. In Transport	55433	282	18045	37106	183467	344	31526	151597	5301	9444	16781	55433	344	31526
5. M.V.—Other Roadway	25	4	13	8	90	5	41	44	12	10	19	25	5	41
6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Railroad Train	118	13	56	49	184	20	80	84	36	30	14	118	20	80
8. Pedalcyclist	1072	32	930	110	2771	32	1026	1713	288	465	273	1072	32	1026
9. Animal	20731	1	572	20158	34768	1	684	34083	77	269	338	20731	1	684
10. Fixed Object	440	5	88	347	662	5	115	542	25	50	40	440	5	115
11. Other Object	545	0	90	455	959	0	130	829	23	54	53	545	0	130
Totals	81304	463	21657	59184	228690	534	35769	192387	6465	11239	18065	81304	534	35769

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1983

Compiled by the Michigan State Police

SUMMARY OF ALL
REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes
Information Available

U R B A N

TOTAL ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
									A	B	C			
1. Overturned	1442	12	1011	419	2011	13	1232	766	290	596	346	1442	13	1232
2. Other Non-collision	661	5	246	410	1257	5	279	973	75	132	72	661	5	279
3. Pedestrian	3390	120	3158	112	8606	122	3347	5137	1097	1209	1041	3390	122	3347
4. M.V. In Transport	129500	150	39311	90039	406782	164	62681	343937	5285	14760	42636	129500	164	62681
5. M.V.—Other Roadway	22	4	7	11	69	5	23	41	7	4	12	22	5	23
6. Parked M.V.	22222	10	2214	19998	29562	11	2725	26826	310	1148	1267	22222	11	2725
7. Railroad Train	113	1	54	58	159	1	64	94	14	18	32	113	1	64
8. Pedalcyclist	3075	13	2655	407	7685	13	2780	4892	495	1305	980	3075	13	2780
9. Animal	576	0	36	540	890	0	40	850	3	24	13	576	0	40
10. Fixed Object	17562	95	5951	11516	25957	99	7534	18324	1337	3364	2833	17562	99	7534
11. Other Object	343	0	66	277	532	0	87	445	14	33	40	343	0	87
Totals	178906	410	54709	123787	483510	433	80792	402285	8927	22593	49272	178906	433	80792

ON ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
									A	B	C			
1. Overturned	699	3	561	135	903	4	660	239	153	350	157	699	4	660
2. Other Non-collision	593	4	226	363	1158	4	252	902	70	122	60	593	4	252
3. Pedestrian	3260	116	3034	110	8279	118	3203	4958	1051	1154	998	3260	118	3203
4. M.V. In Transport	129387	148	39282	89957	406436	162	62632	343642	5273	14749	42610	129387	162	62632
5. M.V.—Other Roadway	22	4	7	11	69	5	23	41	7	4	12	22	5	23
6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Railroad Train	111	1	53	57	156	1	63	92	14	18	31	111	1	63
8. Pedalcyclist	2958	13	2550	395	7407	13	2670	4724	489	1247	934	2958	13	2670
9. Animal	576	0	36	540	890	0	40	850	3	24	13	576	0	40
10. Fixed Object	28899	228	10137	18534	43886	247	13176	30463	2749	5595	4832	28899	247	13176
11. Other Object	43	2	10	31	53	2	11	40	1	7	3	43	2	11
Totals	40587	336	14525	25726	62020	364	19250	42406	4145	7953	7152	40587	364	19250

ROAD SURFACE	NUMBER OF ACCIDENTS				AGE	NUMBER OF PERSONS KILLED									
	Total	Fatal	Injury	P.D.		Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
Dry	74224	590	22766	50868	0-4	15	9	6	0	8	7	0	0	0	0
Wet	21356	120	6629	14607	5-9	26	17	9	0	10	12	4	0	0	0
Snowy/Icy	24896	78	6297	18521	10-14	35	22	13	0	8	10	12	4	1	0
Other	1415	11	490	914	15-19	157	122	35	74	44	22	8	9	0	0
Total	121891	799	36182	84910	20-24	156	126	30	79	44	14	1	17	1	0
LIGHT CONDITION	Total	Fatal	Injury	P.D.	25-34	185	144	41	103	26	21	2	29	0	4
					35-44	103	78	25	68	16	6	1	11	0	1
					45-54	76	46	30	50	18	5	1	1	0	1
					55-64	51	34	17	26	13	7	2	0	3	0
					65-74	36	19	17	20	12	4	0	0	0	0
					75 & Over	58	33	25	34	14	8	2	0	0	0
					Not Stated	0	0	0	0	0	0	0	0	0	0
Daylight	63755	334	20098	43323											
Dawn/Dusk	6960	38	1673	5249											
Darkness/Lights	5042	44	1707	3291											
Darkness/No Lights	45789	381	12642	32766											
Not Stated	345	2	62	281											
Total	121891	799	36182	84910	Total	898	650	248	454	213	116	33	71	5	

CODE OF INJURY	NUMBER OF PERSONS INJURED										
	AGE	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
A—INCAPACITATING INJURY—Any injury other than fatal which prevents normal activities and generally requires hospitalization.	0-4	1050	546	504	0	986	44	9	2	1	8
	5-9	1540	814	726	1	1197	134	164	26	1	17
	10-14	2475	1314	1161	73	1635	166	412	136	12	41
	15-19	11779	6704	5075	6246	4413	175	226	628	12	79
	20-24	9820	6076	3744	6276	2555	125	72	705	6	81
B—NON-INCAPACITATING INJURY—Any injury not incapacitating but evident to others at the scene.	25-34	11536	6784	4752	7950	2350	136	65	904	14	117
	35-44	6565	3392	3173	4695	1318	64	26	399	5	58
	45-54	3835	1925	1910	2684	913	31	11	157	11	28
	55-64	2990	1414	1576	1984	883	46	7	51	5	14
	65-74	1778	739	1039	1070	638	29	4	23	5	9
C—POSSIBLE INJURY—No visible injury but complaint of pain or momentary unconsciousness.	75 & Over	985	454	531	580	371	18	5	4	0	7
	Not Stated	666	356	310	345	253	8	3	46	2	9
	Total	55019	30518	24501	31904	17512	976	1004	3081	74	468

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured			Accidents	Killed	Injured
										A	B	C			
Collision with:	1. Overturned	743	9	450	284	1108	9	572	527	137	246	189	743	9	572
	2. Other Non-Collision	68	1	20	47	99	1	27	71	5	10	12	68	1	27
	3. Pedestrian	130	4	124	2	327	4	144	179	46	55	43	130	4	144
	4. M.V. In Transport	113	2	29	82	346	2	49	295	12	11	26	113	2	49
	5. M.V.—Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. Parked Motor Vehicle	22222	10	2214	19998	29562	11	2725	26826	310	1148	1267	22222	11	2725
	7. Railroad Train	2	0	1	1	3	0	1	2	0	0	1	2	0	1
	8. Pedalcyclist	117	0	105	12	278	0	110	168	6	58	46	117	0	110
	9. Animal	3	0	0	3	4	0	0	4	0	0	0	3	0	0
	10. Fixed Object	16840	91	5782	10967	24886	95	7334	17457	1296	3278	2760	16840	95	7334
	11. Other Object	31	0	4	27	45	0	4	41	0	4	0	31	0	4
Totals		40269	117	8729	31423	56658	122	10966	45570	1812	4810	4344	40269	122	10966

ROAD SURFACE	NUMBER OF ACCIDENTS				AGE	NUMBER OF PERSONS KILLED									
	Total	Fatal	Injury	P.D.		Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
Dry	113986	303	36537	77146	0- 4	8	3	5	0	5	2	1	0	0	0
Wet	40854	81	13234	27539	5- 9	9	8	1	0	2	6	1	0	0	0
Snowy/Icy	22852	26	4628	18198	10-14	12	7	5	0	4	5	3	0	0	0
Other	1214	0	310	904	15-19	65	46	19	23	22	12	0	8	0	0
Total	178906	410	54709	123787	20-24	76	62	14	34	18	12	2	10	0	0
					25-34	84	67	17	43	9	18	2	12	0	0
					35-44	49	38	11	23	4	17	0	5	0	0
					45-54	33	19	14	16	5	7	2	3	0	0
					55-64	29	19	10	12	3	13	0	1	0	0
Daylight	118279	149	35304	82826	65-74	29	14	15	13	5	11	0	0	0	0
Dawn/Dusk	6365	9	1843	4513	75 & Over	37	27	10	11	3	22	1	0	0	0
Darkness/Lights	30508	182	10386	19940	Not Stated	2	1	1	1	1	0	0	0	0	0
Darkness/No Lights	22880	69	7043	15768											
Not Stated	874	1	133	740											
Total	178906	410	54709	123787	Total	433	311	122	176	81	125	12	39	0	0

CODE OF INJURY					NUMBER OF PERSONS INJURED														
					AGE	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other				
A-INCAPACITATING INJURY-Any injury other than fatal which prevents normal activities and generally requires hospitali-					0- 4	1724	912	812	0	1426	241	41	7	0	9				
					5- 9	2740	1523	1217	0	1775	583	359	14	0	9				
					10-14	3510	1844	1666	34	1972	504	861	121	0	18				
					15-19	12078	6189	5889	5765	4470	419	674	703	0	47				
5. 5,000 - 10,000					0	0	0	0	0	0	0	0	0	0	0				
6. 10,000 - 25,000					0	0	0	0	0	0	0	0	0	0	0				
7. 25,000 - 50,000					0	0	0	0	0	0	0	0	0	0	0				
8. 50,000 - 100,000					0	0	0	0	0	0	0	0	0	0	0				
9. 100,000 - 250,000					0	0	0	0	0	0	0	0	0	0	0				
10. 250,000 or more					0	0	0	0	0	0	0	0	0	0	0				
Totals					290710	898	534	364	55019	35769	19250	10610	19192	25217	234793	534	35769	364	19250

MUNICIPALITIES	NUMBER OF ACCIDENTS								THIS YEAR TO DATE							
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY				THIS YEAR TO DATE			
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	113859	768	34300	78791	75828	443	20263	55122	38031	325	14037	23669	113859	768	34300	78791
2. Under 1,000	2242	9	538	1695	1464	8	399	1057	778	1	139	638	2242	9	538	1695
3. 1,000 - 2,500	5790	22	1344	4424	4012	12	995	3005	1778	10	349	1419	5790	22	1344	4424
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	121891	799	36182	84910	81304	463	21657	59184	40587	336	14525	25726	121891	799	36182	84910

CLASS OF TRAFFICWAY	TOTAL OCCUP.	NUMBER OF PERSONS								THIS YEAR TO DATE					
		KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	15119	44	21	23	2805	1452	1353	577	932	1296	12270	21	1452	23	1353
2. Other Full Control	3400	22	11	11	637	280	357	114	225	298	2741	11	280	11	357
3. Other US Route	28791	90	70	20	5033	3936	1097	1007	1638	2388	23668	70	3936	20	1097
4. Other State M Routes	68128	192	153	39	12232	9845	2387	2370	3863	5999	55704	153	9845	39	2387
5. Other Major Arterial	4352	7	7	0	750	660	90	95	273	382	3595	7	660	0	90
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads - N.K.	170920	543	272	271	33562	19596	13966	6447	12261	14854	136815	272	19596	271	13966
Totals	290710	898	534	364	55019	35769	19250	10610	19192	25217	234793	534	35769	364	19250

TRAFFIC ACCIDENT SUMMARY FOR CITIES

1983

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	797	1	181	615	1	250
Albion	171	0	34	137	0	42
Algonac	79	0	24	55	0	35
Allegan	171	1	33	137	1	42
Allen Park	1,169	1	320	848	1	457
Alma	306	0	59	247	0	77
Alpena	354	3	96	255	3	134
Ann Arbor	2,834	4	882	1,948	4	1,261
Armada	15	0	5	10	0	9
Bad Axe	157	0	25	132	0	36
Battle Creek	2,499	4	667	1,828	4	930
Bay City	1,228	1	309	918	1	419
Belding	119	0	24	95	0	36
Benton Harbor	528	3	137	388	3	192
Berkley	351	1	161	189	1	238
Bessemer	61	1	10	50	1	11
Beverly Hills	280	1	98	181	1	139
Big Rapids	518	2	105	411	2	139
Birmingham	1,056	1	243	812	1	316
Blissfield	79	1	16	62	1	21
Bloomfield Hills	252	1	73	178	1	84
Boyer City	114	0	22	92	0	27
Brighton	273	1	84	188	1	138
Buchanan	127	1	27	99	1	33
Burton	872	4	320	548	5	507
Cadillac	479	2	91	386	2	140
Caro	157	0	32	125	0	40
Cassopolis	66	0	14	52	0	23
Center Line	438	2	135	301	2	198
Charlevoix	160	0	36	124	0	50
Charlotte	222	1	70	151	1	103
Cheboygan	83	0	43	40	0	56
Chelsea	106	0	10	96	0	12
Chesaning	89	1	20	68	1	28
Clare	116	1	28	87	1	34
Clawson	426	0	142	284	0	210
Clio	68	1	16	51	1	33
Coldwater	325	2	107	216	2	149
Corunna	97	0	22	75	0	32
Davison	134	0	38	96	0	55
Dearborn	3,856	9	1,231	2,616	10	1,769
Dearborn Heights	2,007	4	628	1,375	4	932
Detroit	41,951	107	14,584	27,260	112	22,417
Dowagiac	268	0	41	227	0	52
Durand	97	0	16	81	0	23
East Detroit	1,137	1	316	820	1	457
East Grand Rapids	211	0	44	167	0	55
East Jordan	39	0	11	28	0	15
East Lansing	1,183	7	344	832	7	521
Eaton Rapids	93	0	22	71	0	31
Ecorse	417	1	109	307	1	150
Escanaba	683	2	149	532	2	220
Essexville	70	0	11	59	0	14
Farmington	425	0	121	304	0	177
Farmington Hills	1,886	9	702	1,175	10	1,077
Fenton	260	0	86	174	0	125
Ferndale	479	0	277	202	0	371
Flat Rock	174	0	55	119	0	84
Flint	6,137	14	1,789	4,334	14	2,657
Flushing	140	0	32	108	0	45
Frankenmuth	127	1	28	98	1	42

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	60	0	30	30	0	47
Fraser	656	1	215	440	1	323
Fremont	137	0	20	117	0	31
Garden City	995	1	294	700	1	436
Gaylord	198	0	47	151	0	61
Gibraltar	72	0	23	49	0	40
Gladstone	134	0	28	106	0	42
Grand Blanc	175	0	43	132	0	73
Grand Haven	541	0	144	397	0	205
Grand Ledge	156	0	38	118	0	47
Grand Rapids	7,310	15	2,042	5,253	18	2,762
Grandville	466	0	157	309	0	224
Grayling	114	0	21	93	0	32
Greenville	352	0	80	272	0	112
Grosse Pointe	146	1	38	107	1	59
Grosse Pointe Farms	191	0	70	121	0	108
Grosse Pointe Park	286	0	55	231	0	76
Grosse Pointe Shores	57	0	28	29	0	30
Grosse Pointe Woods	236	0	47	189	0	53
Hamtramck	722	0	170	552	0	245
Hancock	277	1	32	244	1	40
Harbor Springs	39	0	4	35	0	6
Harper Woods	445	0	141	304	0	200
Harrison	90	0	17	73	0	23
Hartford	68	0	13	55	0	15
Hastings	222	2	52	168	2	90
Hazel Park	1,164	2	388	774	2	579
Highland Park	913	0	336	577	0	510
Hillsdale	367	0	72	295	0	98
Holland	865	1	275	589	1	412
Holly	112	0	24	88	0	35
Houghton	278	1	35	242	1	45
Howell	245	0	68	177	0	101
Hudson	65	0	11	54	0	14
Hudsonville	91	0	22	69	0	32
Huntington Woods	133	0	32	101	0	53
Inkster	775	1	242	532	1	382
Ionia	259	0	52	207	0	67
Iron Mountain	238	2	69	167	2	88
Iron River	138	0	19	119	0	20
Ironwood	327	2	59	266	3	90
Ishpeming	205	0	36	169	0	42
Ithaca	71	0	13	58	0	17
Jackson	1,911	2	440	1,469	2	617
Kalamazoo	3,810	4	864	2,942	4	1,184
Keego Harbor	117	0	39	78	0	59
Kentwood	1,134	4	306	824	4	441
Kingsford	124	0	23	101	0	30
Lake Orion	136	0	27	109	0	43
L'Anse	68	0	7	61	0	12
Lansing	4,767	9	1,380	3,378	10	1,924
Lapeer	357	0	105	252	0	159
Lathrup Village	235	2	90	143	2	143
Laurium	43	0	4	39	0	4
Lincoln Park	1,510	8	448	1,054	8	654
Linden	38	0	10	28	0	12
Livonia	3,257	8	1,081	2,168	8	1,618
Lowell	121	0	27	94	0	40
Ludington	287	0	48	239	0	57
Madison Heights	1,475	2	532	941	2	778
Manchester	44	0	5	39	0	7
Manistee	325	1	76	248	1	121
Manistique	116	0	17	99	0	25

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	169	0	24	145	0	35
Marquette	981	3	183	795	3	230
Marshall	217	0	46	171	0	70
Marysville	159	3	56	100	3	89
Mason	192	0	46	146	0	52
Melvindale	372	1	114	257	1	191
Memphis	18	1	2	15	1	2
Menominee	335	0	82	253	0	111
M.S.U.	301	0	73	228	0	88
Midland	1,287	5	312	970	5	454
Milan	125	0	27	98	0	32
Milford	157	0	30	127	0	47
Monroe	760	1	205	554	1	272
Montrose	37	0	11	26	0	15
Mt. Clemens	801	2	242	557	2	360
Mt. Morris	88	0	27	61	0	38
Mt. Pleasant	688	2	178	508	2	236
Munising	72	0	16	56	0	19
Muskegon	1,752	3	476	1,273	3	700
Muskegon Heights	530	1	114	415	1	165
Negaunee	213	2	25	186	2	34
New Baltimore	189	0	80	109	0	144
New Buffalo	65	0	15	50	0	22
New Haven	43	1	17	25	1	30
Newberry	38	0	7	31	0	8
Niles	547	0	149	398	0	206
North Muskegon	109	0	30	79	0	40
Northville	161	0	41	120	0	49
Norton Shores	623	2	207	414	3	281
Norway	64	0	19	45	0	26
Novi	742	2	269	471	2	397
Oak Park	1,033	0	242	791	0	359
Otsego	87	0	16	71	0	19
Owosso	444	0	119	325	0	201
Oxford	93	0	21	72	0	28
Paw Paw	129	0	36	93	0	55
Petoskey	320	0	59	261	0	77
Plainwell	72	0	17	55	0	20
Pleasant Ridge	117	0	36	81	0	55
Plymouth	264	1	71	192	1	88
Pontiac	2,834	4	845	1,985	5	1,220
Port Huron	1,405	1	288	1,116	1	417
Portage	1,181	3	350	828	3	541
Portland	82	0	17	65	0	24
Richland	31	0	3	28	0	5
Richmond	83	1	26	56	1	37
River Rouge	220	0	55	165	0	70
Riverview	296	2	79	215	2	114
Rochester	273	1	66	206	1	89
Rockwood	50	1	15	34	1	24
Rogers City	93	0	17	76	0	22
Romeo	134	0	36	98	0	44
Romulus	935	8	300	627	9	454
Roosevelt Park	94	0	29	65	0	39
Roseville	2,038	4	667	1,367	4	969
Royal Oak	2,158	6	727	1,425	6	1,017
Saginaw	2,976	6	973	1,997	6	1,455
St. Clair	93	0	26	67	0	34
St. Clair Shores	901	6	519	376	6	758
St. Ignace	75	0	20	55	0	29
St. Johns	286	0	71	215	0	107

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Joseph	450	3	104	343	3	156
St. Louis	86	0	16	70	0	22
Saline	188	0	46	142	0	68
Sault Ste. Marie	568	1	98	469	1	128
South Haven	120	0	24	96	0	32
South Lyon	89	0	19	70	0	28
Southfield	2,733	2	1,187	1,544	2	1,812
Southgate	1,115	4	327	784	5	502
Sparta	75	0	21	54	0	29
Spring Lake	101	0	23	78	0	28
Springfield	184	0	56	128	0	93
Sterling Heights	2,942	8	937	1,997	9	1,417
Sturgis	351	1	108	242	1	174
Swartz Creek	111	0	28	83	0	42
Taylor	2,420	11	879	1,530	13	1,408
Tecumseh	199	0	54	145	0	69
Three Rivers	299	1	62	236	1	92
Traverse City	1,029	1	265	763	1	379
Trenton	314	0	120	194	0	186
Troy	2,502	10	832	1,660	12	1,285
Utica	413	2	115	296	2	206
Vassar	62	0	17	45	0	22
Wakefield	37	0	10	27	0	10
Walker	677	4	194	479	4	289
Walled Lake	213	0	54	159	0	71
Warren	5,167	11	1,697	3,459	11	2,515
Wayne	577	0	207	370	0	312
W.M.U.	86	0	14	72	0	21
Westland	1,588	9	668	911	10	1,096
Whitehall	94	0	18	76	0	27
Williamston	23	0	7	16	0	11
Wixom	156	0	52	104	0	77
Wolverine Lake	56	0	11	45	0	15
Woodhaven	313	0	92	221	0	131
Wyandotte	1,043	2	230	811	2	311
Wyoming	2,492	2	767	1,723	2	1,110
Ypsilanti	986	2	224	760	2	301
Zeeland	89	0	19	70	0	26
Avon Twp.	1,331	5	444	882	6	726
Battle Creek Twp.	12	0	5	7	0	8
Benton Twp.	860	1	225	634	1	358
Blackman Twp.	649	4	182	463	4	288
Bloomfield Twp.	1,326	8	471	847	9	718
Bridgeport Twp.	437	4	115	318	4	168
Brownstown Twp.	448	3	149	296	3	229
Buena Vista Twp.	409	2	135	272	2	196
Canton Twp.	857	10	300	547	11	445
Clay Twp.	171	0	60	111	0	99
Clinton Twp.	2,394	10	866	1,518	12	1,304
Davison Twp.	188	3	56	129	3	91
Delhi Twp.	431	3	131	297	3	187
DeWitt Twp.	307	2	75	230	3	129
Emmet Twp.	433	2	155	276	2	226
Flint Twp.	1,327	2	412	913	3	609
Genesee Twp.	595	4	201	390	4	346
Grand Blanc Twp.	474	3	154	317	3	269
Green Oak Twp.	282	5	84	193	5	132
Grosse Ile Twp.	125	2	36	87	2	54
Hampton Twp.	256	1	75	180	1	113
Huron Twp.	187	1	52	134	1	80
Kalamazoo Twp.	465	1	157	307	1	219
Leoni Twp.	519	2	172	345	2	239
Meridian Twp.	852	2	275	575	2	435
Montrose Twp.	87	0	29	58	0	50

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Mt. Morris Twp.	852	8	318	526	8	516
Napoleon Twp.	168	4	46	118	5	75
Niles Twp.	361	0	122	239	0	177
Northville Twp.	250	2	105	143	2	165
Oakland Twp.	199	0	79	120	0	111
Pontiac Twp.	758	4	284	470	5	433
Redford Twp.	1,516	8	526	982	8	795
Richfield Twp.	156	0	64	92	0	108
Saginaw Twp.	1,251	6	357	888	6	583
St. Joseph Twp.	247	0	56	191	0	87
Shelby Twp.	1,014	2	321	691	2	534
VanBuren Twp.	466	4	163	299	4	236
Vienna Twp.	322	4	124	194	4	186
Waterford Twp.	2,551	8	869	1,674	10	1,331
West Bloomfield Twp.	1,104	4	262	838	4	414
White Lake Twp.	432	3	163	266	3	260
Wright Twp.	33	0	10	23	0	18

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter- State	Local Street	State Route	Persons Killed	Persons Injured
Alcona	380	1	82	297	0	205	175	1	100
Alger	275	1	63	211	0	121	154	1	88
Allegan	2,409	14	707	1,688	113	1,548	748	20	1,042
Alpena	879	5	242	632	0	485	394	6	342
Antrim	480	3	126	351	0	258	222	3	178
Arenac	671	3	167	501	50	323	298	3	255
Baraga	248	3	51	194	0	123	125	3	89
Barry	1,606	12	378	1,216	0	1,096	510	12	568
Bay	3,423	11	1,042	2,370	167	2,015	1,241	11	1,517
Benzie	366	5	109	252	0	185	181	5	168
Berrien	5,543	21	1,598	3,924	789	3,308	1,446	23	2,374
Branch	1,310	14	347	949	118	834	358	15	501
Calhoun	5,175	15	1,365	3,795	812	3,314	1,049	16	1,966
Cass	1,698	11	430	1,257	0	1,005	693	13	622
Charlevoix	790	5	176	609	0	403	387	5	275
Cheboygan	654	3	221	430	84	353	217	3	330
Chippewa	916	2	190	724	220	555	141	2	260
Clare	1,026	3	217	806	0	516	510	5	329
Clinton	1,810	12	491	1,307	166	1,129	515	14	765
Crawford	456	1	114	341	158	185	113	2	160
Delta	1,406	7	321	1,078	0	872	534	7	463
Dickinson	913	5	211	697	0	433	480	6	302
Eaton	2,666	12	796	1,858	305	1,216	1,145	12	1,198
Emmet	1,064	5	269	790	10	535	519	5	408
Genesee	13,320	53	4,210	9,057	941	9,261	3,118	56	6,466
Gladwin	698	3	174	521	0	386	312	4	259
Gogebic	607	6	115	486	0	326	281	7	172
Grand Traverse	2,421	8	723	1,690	0	1,527	894	10	1,093
Gratiot	1,286	7	320	959	0	707	579	8	479

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter- State	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,404	13	325	1,066	0	893	511	14	520
Houghton	1,157	6	218	933	0	429	728	6	296
Huron	1,215	2	274	939	0	603	612	2	406
Ingham	9,620	32	2,719	6,869	1,085	5,478	3,057	33	3,897
Ionia	1,723	13	435	1,275	161	1,106	456	17	638
Iosco	1,006	8	220	778	0	562	444	10	311
Iron	492	1	94	397	0	231	261	1	131
Isabella	1,770	16	463	1,291	0	1,183	587	18	695
Jackson	5,364	24	1,388	3,952	840	3,497	1,027	28	2,002
Kalamazoo	8,004	21	2,007	5,976	828	5,682	1,494	21	2,879
Kalkaska	460	3	128	329	0	271	189	4	214
Kent	16,525	60	4,808	11,657	838	11,178	4,509	68	6,871
Keweenaw	70	1	24	45	0	30	40	1	38
Lake	401	4	100	297	0	236	165	5	147
Lapeer	1,965	17	584	1,364	0	1,220	745	23	928
Leelanau	461	0	128	333	0	226	235	0	183
Lenawee	2,813	17	769	2,027	0	1,590	1,223	17	1,115
Livingston	2,922	26	955	1,941	472	1,926	524	31	1,429
Luce	167	3	35	129	0	75	92	3	62
Mackinac	494	5	123	366	50	158	286	6	204
Macomb	20,627	62	7,020	13,545	913	13,533	6,181	65	10,602
Manistee	829	3	187	639	0	499	330	3	282
Marquette	2,319	11	514	1,794	0	1,460	859	11	708
Mason	988	8	230	750	0	605	383	14	339
Mecosta	1,599	9	341	1,249	0	825	774	13	501
Memominee	1,222	3	214	1,005	0	707	515	4	300
Midland	2,449	10	630	1,809	0	1,835	614	11	918
Missaukee	374	1	76	297	0	208	166	1	114
Monroe	3,844	23	1,273	2,548	321	2,351	1,172	24	1,830
Montcalm	1,840	11	383	1,446	0	1,013	827	12	605
Montmorency	317	2	75	240	0	177	140	2	125
Muskegon	4,887	21	1,434	3,432	281	3,491	1,115	25	2,075
Newaygo	1,279	12	349	918	0	821	458	12	538
Oakland	33,787	106	11,523	22,158	1,604	25,513	6,670	117	17,224
Oceana	595	5	178	412	0	418	177	6	277
Ogemaw	755	4	143	608	150	408	197	8	211
Ontonagon	261	3	56	202	0	75	186	3	84
Osceola	816	7	174	635	0	404	412	8	287
Oscoda	322	3	65	254	0	169	153	4	92
Otsego	631	5	174	452	93	381	157	6	266
Ottawa	4,251	18	1,290	2,943	265	2,906	1,080	19	1,846
Presque Isle	520	1	103	416	0	255	265	1	139
Roscommon	623	4	160	459	47	270	306	4	268
Saginaw	7,326	29	2,299	4,998	339	4,693	2,294	30	3,483
St. Clair	4,029	22	1,119	2,888	142	2,368	1,519	23	1,712
St. Joseph	2,043	11	533	1,499	0	1,034	1,009	11	808
Sanilac	1,211	8	284	919	0	668	543	8	441
Schoolcraft	293	0	75	218	0	126	167	0	123
Shiawassee	2,006	10	577	1,419	175	1,187	644	10	917
Tuscola	1,461	9	392	1,060	0	862	599	10	624
Van Buren	1,885	11	542	1,332	279	1,200	406	11	818
Washtenaw	8,274	30	2,460	5,784	1,015	5,326	1,933	33	3,488
Wayne	73,540	214	24,697	48,629	6,040	51,146	16,354	226	37,611
Wexford	1,065	10	269	786	0	407	658	10	420
TOTALS	300,797	1,209	90,891	208,697	19,871	197,139	83,787	1,331	135,811

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1979	1980	1981	1982	1983	5 Year Total
POPULATION UNDER 10,000						
Alcona	4	1	3	1	1	10
Alger	6	3	2	1	1	13
Baraga	4	7	2	2	3	18
Benzie	5	7	2	2	5	21
Crawford	6	3	2	3	2	16
Kalkaska	3	3	3	7	4	20
Keweenaw	0	1	0	1	1	3
Lake	7	5	5	3	5	25
Luce	4	2	2	1	3	12
Mackinac	1	3	12	6	6	28
Missaukee	4	5	4	1	1	15
Montmorency	4	2	0	3	2	11
Oscoda	10	2	4	3	4	23
Roscommon	8	12	8	1	4	33
Schoolcraft	5	1	3	5	0	14
POPULATION 10,000 - 15,000						
Antrim	10	4	2	2	3	21
Arenac	8	5	10	7	3	33
Gladwin	3	3	3	3	4	16
Iron	1	2	2	0	1	6
Leelanau	2	9	3	4	0	18
Ogemaw	7	7	4	8	8	34
Ontonagon	5	1	1	6	3	16
Osceola	4	5	8	10	8	35
Otsego	2	8	4	3	6	23
Presque Isle	5	2	5	4	1	17
POPULATION 15,000 - 25,000						
Charlevoix	5	3	8	2	5	23
Cheboygan	4	6	2	5	3	20
Clare	10	5	12	5	5	37
Dickinson	7	6	9	1	6	29
Emmet	3	5	3	7	5	23
Gogebic	4	5	4	2	7	22
Iosco	12	7	6	6	10	41
Manistee	4	3	11	7	3	28
Mason	6	10	4	4	14	38
Menominee	4	2	6	7	4	23
Oceana	7	11	11	9	6	44
Wexford	12	6	8	6	10	42
POPULATION 25,000 - 50,000						
Alpena	10	13	4	14	6	47
Barry	12	11	13	19	12	67
Branch	12	9	6	5	15	47
Cass	20	18	14	9	13	74
Chippewa	11	7	13	8	2	41
Clinton	12	16	12	12	14	66
Delta	12	14	6	6	7	45
Grand Traverse	23	16	14	16	10	79
Gratiot	20	8	8	11	8	55
Hillsdale	12	14	13	7	14	60
Houghton	6	5	5	5	6	27
Huron	13	19	14	7	2	55
Ionia	22	16	8	6	17	69

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1979	1980	1981	1982	1983	5 Year Total
POPULATION 25,000 - 50,000 (Continued)						
Isabella	7	3	16	12	18	56
Mecosta	11	9	7	7	13	47
Montcalm	12	27	17	13	12	81
Newaygo	9	12	18	5	12	56
St. Joseph	14	15	16	10	11	66
Sanilac	9	8	11	12	8	48
Tuscola	19	21	11	8	10	69
POPULATION 50,000 - 100,000						
Allegan	27	27	25	21	20	120
Eaton	23	19	16	13	12	83
Lapeer	22	26	13	17	23	101
Lenawee	24	19	18	17	17	95
Livingston	27	31	28	20	31	137
Marquette	22	14	17	7	11	71
Midland	17	11	16	13	11	68
Shiawassee	21	11	24	17	10	83
Van Buren	26	15	18	16	11	86
POPULATION OVER 100,000						
Bay	30	25	18	20	11	104
Berrien	31	37	45	24	23	160
Calhoun	28	32	26	18	16	120
Genesee	85	83	72	86	56	382
Ingham	21	31	25	33	33	143
Jackson	32	28	39	28	28	155
Kalamazoo	49	44	23	21	21	158
Kent	64	72	68	62	68	334
Macomb	89	106	85	83	65	428
Monroe	34	35	27	34	24	154
Muskegon	30	44	28	31	25	158
Oakland	165	153	148	151	117	734
Ottawa	35	28	24	14	19	120
Saginaw	54	45	33	36	30	198
St. Clair	36	30	27	37	23	153
Washtenaw	58	42	36	38	33	207
Wayne	337	333	286	220	226	1,402
TOTALS	1,849	1,774	1,589	1,417	1,331	7,960

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	6560	43	1870	4647	3871	20	902	2949	2689	23	968	1698	6560	43	1870	4647
2. Other Full Control	1508	20	413	1075	827	10	163	654	681	10	250	421	1508	20	413	1075
3. Other US Route	11026	72	3112	7842	8505	54	2274	6177	2521	18	838	1665	11026	72	3112	7842
4. Other State M Routes	25779	170	7462	18147	20742	133	5642	14967	5037	37	1820	3180	25779	170	7462	18147
5. Other Major Arterial	1514	6	488	1020	1293	6	410	877	221	0	78	143	1514	6	488	1020
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads—N.K.	75504	488	22837	52179	46066	240	12266	33560	29438	248	10571	18619	75504	488	22837	52179
Totals	121891	799	36182	84910	81304	463	21657	59184	40587	336	14525	25726	121891	799	36182	84910

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.
1. Car Going Straight	811	166	645	107	5	102	688	155	533	16	6	10
2. Car Turning Right	22	14	8	0	0	0	21	13	8	1	1	0
3. Car Turning Left	43	32	11	0	0	0	42	32	10	1	0	1
4. Car Backing	42	10	32	4	1	3	37	9	28	1	0	1
5. All Others	14	2	12	0	0	0	14	2	12	0	0	0
6. Not Stated	4	0	4	0	0	0	4	0	4	0	0	0
Totals	936	224	712	111	6	105	806	211	595	19	7	12

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	9	178	10	27	43	26	10	30	14	16	2
1b. Crossing not at intersection or in crosswalk	43	359	31	99	73	42	31	42	16	22	3
2a. Walking in roadway—with traffic	16	108	2	1	16	30	26	18	11	3	1
2b. Walking in roadway—against traffic	7	33	0	1	6	5	4	10	6	1	0
3. Standing in roadway	22	76	1	4	5	16	9	30	7	4	0
4. Pushing or working on vehicle in roadway	3	43	0	0	1	8	7	21	5	0	1
5. Other working in roadway	0	10	0	0	0	1	2	6	1	0	0
6. Playing in roadway	0	10	3	2	1	4	0	0	0	0	0
7. Other in roadway	3	96	3	4	11	28	17	22	7	4	0
8. Not in roadway	12	161	1	5	18	33	30	43	21	9	1
9. Not Stated	1	18	0	3	2	4	3	5	1	0	0
Totals	116	1092	51	146	176	197	139	227	89	59	8

RURAL

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	11555	86	4345	7124
	2a. From same direction—Both Going Straight	1735	2	397	1336
	2b. Same—one turn, one straight	2553	2	617	1934
	2c. Same—one stopped	5079	1	1651	3427
	2d. Same—all others	495	1	19	475
	3a. From opposite direction—Both Going Straight	659	3	258	398
	3b. Same—one left turn, one straight	3197	16	1484	1697
	3c. Same—all others	104	3	25	76
	4. Not stated	735	0	73	662
	Totals	26112	114	8869	17129

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	4330	128	1749	2453
	2. Going same direction—Both Moving	7793	34	2124	5635
	3a. One car parked	3770	8	459	3303
	3b. One car stopped in traffic	5211	5	1924	3282
	4a. One car entering parked pos.	40	0	2	38
	4b. One car leaving parked pos.	264	0	28	236
	5a. One car enter. driveway access	6197	4	2060	4133
	5b. One car leaving d/way access	5833	7	1292	4534
	6. All others/not stated	535	4	114	417
	Totals	33973	190	9752	24031

ALL OTHER ACCIDENTS		Total	Fatal	Injury	P.D.
At Inter.	1. Other road veh., or RR train	422	5	375	62
	2. Fixed object	5183	19	1560	3604
	3. Other object or animal	332	0	23	309
	4. Overturning	893	9	562	322
	5. Other noncollision	200	2	94	104
	6. Other road veh., or RR train	797	42	646	109
	7. Fixed Object	24156	214	8665	15277
	8. Other object or animal	21027	3	655	20369
	9. Overturning	6818	79	3898	2841
	10. Other noncollision	1021	11	277	733
Not At Inter.	11. Not stated	1	0	0	1
	Totals	60870	384	16755	43731

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	88440	504	24536	63400
2. Speed Too Fast	19966	194	8019	11753
3. Speed Too Slow	97	1	40	56
4. Disregard Control/ROW	18743	176	7677	10890
5. Wrong Way	114	7	56	51
6. Left Center/Improper Pass/Lane	9327	109	2704	6514
7. Improper Turn/Signal	3764	8	1055	2701
8. Improper Backing/Start	3603	2	225	3376
9. Following/Unable To Stop	35547	131	12900	22516
10. Other/Not Known	3835	160	1241	2434
11.				
12.				
13.				
14.				
Totals	183436	1292	58453	123691

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	82199	438	22605	59156
2. DWI/Drugs	5232	282	2527	2423
3. Reckless/Careless	4537	31	2421	2085
4. Inattention/III/Etc.	1698	19	812	867
5. Violation License Restriction	11	0	5	6
6. Obscured Vision	2134	8	681	1445
7. Defective Equipment	2250	6	764	1480
8. Lost Control/Load/Wind	136	2	38	96
9. Skidding	7273	19	2175	5079
10. Other/Not Known	77966	487	26425	51054
11.				
12.				
13.				
14.				
Totals	183436	1292	58453	123691

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	4722	127	1922	2673
2. Rear end	8184	27	2228	5929
3. Sideswipe-meeting	126	3	27	96
4. Sideswipe-passing	322	5	42	275
5. Angle	6869	78	3145	3646
6. Backed into	1278	3	88	1187
7. All others	38570	60	11164	27346
8. Not stated	14	1	5	8
Totals	60085	304	18621	41160

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	135201	733	42693	91775
2. Passenger car and trailer	837	7	216	614
3. Truck or truck tractor	31386	222	8415	22749
4. Truck tractor and semi-trailer	2777	56	804	1917
5. Other truck combination	1180	6	239	935
6. Farm tractor and/or farm equip.	324	9	126	189
7. Bus	129	2	30	97
8. School Bus	551	4	102	445
9. Motorcycle/Motor scooter	3223	72	2714	437
10. Other/not stated	5756	22	1169	4565
Totals	181364	1133	56508	123723

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	19344	432	9252	9660
2. Not known if drinking	8756	26	1720	7010
3. Had not been drinking	153048	675	45498	106875
Totals	181148	1133	56470	123545

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	18760	424	8951	9385
2. Not known if drinking	3819	8	522	3289
3. Had not been drinking	99312	367	26709	72236
Totals	121891	799	36182	84910

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	63	36	26	1
2. Not known if drinking	941	17	902	22
3. Had not been drinking	125	69	56	0
Totals	1129	122	984	23

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	754	9	415	330
2. 16	6547	30	2202	4315
3. 17	8198	42	2799	5357
4. 18 to 19	16855	94	5655	11106
5. 20 to 24	32221	216	10495	21510
6. 25 to 34	43394	295	13770	29329
7. 35 to 44	26913	170	8256	18487
8. 45 to 54	15953	106	4769	11078
9. 55 to 64	11747	73	3537	8137
10. 65 to 74	6434	44	1977	4413
11. 75 and older	3067	44	1004	2019
12. Not stated*	9065	10	1591	7464
Totals	181148	1133	56470	123545
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	123578	917	36950	85711
2. Female	57570	216	19520	37834
Totals	181148	1133	56470	123545

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	127625	718	40689	86218
2. Residing elsewhere	40985	332	12808	27845
3. Non-resident	4429	56	1379	2994
4. Not stated	8109	27	1594	6488
Totals	181148	1133	56470	123545
Driverless Moving	216	0	38	178

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES 10,000 POPULATION AND OVER

City	1979	1980	1981	1982	1983	5 Year Total
POPULATION 10,000 - 15,000						
Albion	1	1	0	0	0	2
Alpena	0	0	1	2	3	6
Beverly Hills	1	1	0	0	1	3
Big Rapids	0	2	1	0	2	5
Center Line	1	1	1	2	2	7
East Grand Rapids	0	2	0	1	0	3
Farmington	2	1	2	0	0	5
Fraser	2	2	2	2	1	9
Grand Haven	0	2	1	0	0	3
Grandville	1	2	0	1	0	4
Grosse Pointe Farms	0	1	1	0	0	2
Melvindale	3	0	1	0	1	5
Menominee	0	0	2	0	0	2
Niles	1	1	1	1	0	4
Plymouth	0	1	0	1	1	3
Riverview	0	0	4	3	2	9
St. Joseph	1	1	0	0	3	5
Walker	5	4	4	5	4	22
POPULATION 15,000 - 25,000						
Adrian	1	1	1	2	1	6
Benton Harbor	1	0	3	2	3	9
Berkley	1	3	3	1	1	9
Clawson	2	0	0	0	0	2
Ecorse	4	2	2	1	1	10
Escanaba	2	2	2	1	2	9
Grosse Pointe Park	1	0	0	0	0	1
Grosse Pointe Woods	0	0	0	1	0	1
Harper Woods	2	0	3	5	0	10
Hazel Park	3	4	0	2	2	11
Kentwood	3	1	2	5	4	15
Marquette	3	4	4	0	3	14
Monroe	1	1	3	4	1	10
Mount Clemens	3	0	1	2	2	8
Mount Pleasant	0	0	0	2	2	4
Muskegon Heights	1	1	1	2	1	6
Norton Shores	2	2	6	5	3	18
Owosso	0	0	1	0	0	1
River Rouge	0	0	1	0	0	1
Romulus	12	17	8	6	9	52
Sault Ste. Marie	1	1	0	0	1	3
Traverse City	2	2	1	3	1	9
Trenton	2	2	1	1	0	6
Wayne	5	1	1	0	0	7
POPULATION 25,000 - 50,000						
Allen Park	4	4	5	1	1	15
Battle Creek	4	6	4	3	4	21
Bay City	2	4	5	3	1	15
Birmingham	0	0	3	2	1	6
East Detroit	5	2	3	3	1	14
East Lansing	1	3	1	4	7	16
Ferndale	4	1	5	3	0	13
Garden City	3	0	0	1	1	5
Hamtramck	2	0	2	0	0	4
Highland Park	7	4	6	1	0	18
Holland	7	2	2	2	1	14

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES **10,000 POPULATION AND OVER (Continued)**

City	1979	1980	1981	1982	1983	5 Year Total
POPULATION 25,000 - 50,000 (Continued)						
Inkster	4	1	3	5	1	14
Jackson	2	1	5	4	2	14
Madison Heights	2	4	2	4	2	14
Midland	6	4	2	5	5	22
Muskegon	5	5	4	2	3	19
Oak Park	3	2	1	3	0	9
Port Huron	6	4	2	3	1	16
Portage	6	8	3	2	3	22
Southgate	3	2	2	3	5	15
Troy	14	10	8	10	12	54
Wyandotte	2	0	1	0	2	5
Ypsilanti	0	4	2	1	2	9
POPULATION OVER 50,000						
Ann Arbor	7	4	4	7	4	26
Dearborn	14	19	11	12	10	66
Dearborn Heights	4	10	7	3	4	28
Detroit	175	162	148	107	112	704
Flint	14	24	16	17	14	85
Grand Rapids	11	19	10	14	18	72
Kalamazoo	7	7	2	3	4	23
Lansing	6	11	11	10	10	48
Lincoln Park	2	4	5	4	8	23
Livonia	10	14	13	13	8	58
Pontiac	9	11	6	9	5	40
Roseville	9	7	9	7	4	36
Royal Oak	8	12	4	7	6	37
Saginaw	14	3	7	9	6	39
St. Clair Shores	2	6	3	6	6	23
Southfield	8	8	13	11	2	42
Sterling Heights	8	14	14	7	9	52
Taylor	9	21	14	9	13	66
Warren	17	22	17	15	11	82
Westland	15	9	7	7	10	48
Wyoming	5	10	10	9	2	36

DEATHS, INJURIES AND ACCIDENTS BY LOCATIONS

Year	Total	Statewide		Rural	
		Urban	Rural	Trunkline	County Road
DEATHS					
1964	2,122	698	1,424	706	718
1965	2,136	708	1,428	743	685
1966	2,298	748	1,550	812	738
1967	2,137	719	1,418	734	684
1968	2,392	703	1,689	865	824
1969	2,487	769	1,718	908	810
1970	2,177	662	1,515	746	769
1971	2,152	661	1,491	737	754
1972	2,258	737	1,521	743	778
1973	2,213	709	1,504	730	774
1974	1,875	640	1,235	533	702
1975	1,811	610	1,201	692	509
1976	1,955	691	1,264	569	695
1977	1,950	628	1,322	605	717
1978	2,076	679	1,399	641	758
1979	1,849	580	1,269	579	690
1980	1,774	601	1,173	518	655
1981	1,589	533	1,056	451	605
1982	1,417	484	933	422	511
1983	1,331	433	898	355	543
INJURIES					
1964	144,623	92,828	51,795	24,750	27,045
1965	155,258	99,225	56,033	27,025	29,008
1966	156,694	97,983	58,711	26,907	31,804
1967	151,297	95,583	55,714	26,122	29,592
1968	161,413	99,813	60,600	27,386	33,214
1969	175,400	114,409	60,991	27,790	33,201
1970	161,719	102,960	58,759	26,205	32,554
1971	157,664	99,762	57,902	25,800	32,012
1972	178,929	115,834	63,095	28,147	34,948
1973	169,485	108,170	61,315	25,599	35,716
1974	141,132	88,755	52,377	20,209	32,168
1975	147,299	91,573	55,726	21,053	34,673
1976	162,894	99,704	63,190	25,251	37,939
1977	166,389	99,612	66,777	26,927	39,850
1978	169,202	99,533	69,669	28,194	41,475
1979	162,571	97,167	65,404	26,171	39,233
1980	144,972	85,760	59,212	22,508	36,704
1981	136,455	80,736	55,719	21,431	34,388
1982	130,061	76,885	53,176	21,024	32,152
1983	135,811	80,792	55,019	21,457	33,562
ACCIDENTS					
1964	284,444	210,951	73,493	33,761	39,732
1965	310,598	228,091	82,507	37,859	44,648
1966	302,880	215,172	87,708	38,875	48,833
1967	299,004	212,094	86,910	38,233	48,677
1968	305,495	209,854	95,641	42,021	53,620
1969	331,223	231,375	99,848	44,131	55,717
1970	313,715	210,932	102,783	44,984	57,799
1971	314,015	204,095	109,920	48,941	60,979
1972	359,745	236,116	123,629	53,673	69,956
1973	350,864	228,660	122,204	50,431	71,773
1974	324,763	210,716	114,047	43,396	70,651
1975	333,560	213,934	119,626	44,707	74,919
1976	365,600	232,293	133,307	52,401	80,906
1977	374,751	232,322	142,429	55,813	86,616
1978	389,193	239,201	149,992	58,582	91,410
1979	366,435	226,717	139,718	54,759	84,959
1980	314,594	189,285	125,309	46,853	78,456
1981	302,831	180,528	122,203	46,378	75,925
1982	294,971	176,752	118,219	45,222	72,997
1983	300,797	178,906	121,891	46,387	75,504

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1937	189	127	149	142	161	176	221	234	202	224	181	169	2,175
1938	118	65	84	91	109	99	126	139	153	164	161	145	1,454
1939	101	89	103	80	118	122	172	150	128	166	164	187	1,580
1940	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943	59	51	79	44	75	89	82	67	110	118	96	122	992
1944	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947	86	86	85	113	124	114	134	149	134	142	145	135	1,447
1948	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981	99	100	108	116	116	155	159	171	149	155	113	148	1,589
1982	98	79	93	91	114	121	154	153	128	144	131	111	1,417
1983	113	94	83	91	91	127	121	117	131	153	115	95	1,331

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1979	1980	1981	1982	1983
AGE OF PERSONS KILLED, TOTAL					
0 - 4 years.	39	41	24	22	23
5 - 9 years.	57	52	53	37	35
10 - 14 years.	63	64	57	48	47
15 - 19 years.	342	306	224	219	222
20 - 24 years.	310	337	268	223	232
25 - 34 years.	350	363	343	297	269
35 - 44 years.	190	174	172	146	152
45 - 54 years.	167	142	134	122	109
55 - 64 years.	128	128	113	118	80
65 - 74 years.	99	77	97	80	65
75 years and over	95	85	96	100	95
Not Stated.	9	5	8	5	2
TOTALS.	1,849	1,774	1,589	1,417	1,331
AGE OF PERSONS KILLED, PEDESTRIANS					
0 - 4 years.	16	11	7	9	9
5 - 9 years.	29	22	30	19	18
10 - 14 years.	22	19	24	10	15
15 - 19 years.	47	29	29	21	34
20 - 24 years.	35	32	26	32	26
25 - 34 years.	44	45	38	37	39
35 - 44 years.	17	26	23	24	23
45 - 54 years.	36	26	17	15	12
55 - 64 years.	22	28	23	20	20
65 - 74 years.	34	16	28	12	15
75 years and over	32	30	25	28	30
Not Stated.	4	3	4	0	0
TOTALS.	338	287	274	227	241
AGE OF DRIVERS INVOLVED					
15 years and under	15	23	16	9	11
16 years	57	49	31	44	41
17 years	107	91	95	59	56
18 - 19 years.	243	213	162	159	141
20 - 24 years.	513	537	419	352	344
25 - 34 years.	616	584	577	494	464
35 - 44 years.	348	295	302	244	249
45 - 54 years.	241	198	228	201	162
55 - 64 years.	188	164	145	154	124
65 years and over	130	123	160	148	135
Not Stated.	61	68	57	63	37
TOTALS.	2,519	2,345	2,192	1,927	1,764
PEDESTRIAN ACTION					
Crossing at intersection.	56	42	35	42	32
Crossing not at intersection	131	99	105	78	98
In road with traffic.	32	46	29	38	23
In road against traffic.	5	3	7	5	9
Standing or lying in road.	62	45	52	36	48
Pushing or working on vehicle. . .	2	8	6	4	4
Other working in road	2	0	2	1	0
Playing in road	2	0	8	0	0
In road for other reasons.	3	1	4	4	8
Not in road	40	42	25	17	18
Other or not stated	3	1	1	2	1
TOTALS.	338	287	274	227	241

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed	Summary for 1983
MEMORIAL DAY			
1983 (3)	11	13	
1982 (3)	9	9	
1981 (3)	9	12	
1980 (3)	23	23	
1979 (3)	15	17	
FOURTH OF JULY			
1983 (3)	21	22	
1982 (3)	28	30	
1981 (3)	18	22	
1980 (3)	25	25	
1979 (1)	12	12	
LABOR DAY			
1983 (3)	17	17	
1982 (3)	21	21	
1981 (3)	16	17	
1980 (3)	24	26	
1979 (3)	24	31	
THANKSGIVING			
1983 (4)	11	12	
1982 (4)	23	27	
1981 (4)	12	13	
1980 (4)	28	32	
1979 (4)	23	27	
CHRISTMAS			
1983 (3)	5	5	
1982 (3)	16	19	
1981 (3)	14	15	
1980 (4)	21	23	
1979 (4)	26	29	
NEW YEARS			
1983 (3)	8	8	
1982 (3)	10	10	
1981 (3)	12	17	
1980 (4)	18	21	
1979 (4)	23	27	

This schedule shows the traffic death tolls in Michigan for the past five years for the major holiday periods.

Based on the total 1983 experience, the average daily deaths were 3.6 persons per day.

All weekend deaths, Saturdays and Sundays, plus six hours of the preceding Friday, totaled 604 which is an average of 11.6 deaths per weekend.

From experience, it is evident that Michigan's highways have their share of tragedies.

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1938	1,454	22,891	71,114	12,872.8	1,416,514	11.3
1939	1,580	28,465	91,965	14,062.7	1,482,485	11.2
1940	1,730	34,247	116,154	15,132.3	1,563,635	11.4
1941	2,133	40,708	133,236	17,043.5	1,717,449	12.5
1942	1,325	28,967	100,125	13,900.3	1,626,861	9.5
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	16,069.2	2,030,685	7.9
1949	1,441	41,647	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,173,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.9
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6
1982	1,417	130,061	294,971	61,321.7	6,400,942	2.3
1983	1,331	135,811	300,797	63,560.1	6,443,499	2.1

*Excludes trailers and trailer coaches.

**Deaths per 100 million miles of travel.